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TEST / ANALYSIS / INSPECTION
SERVICES PRICE LIST

PHYSICAL TESTS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
1	BREAKING STRENGTH		
	- Single Fiber Strength	TS EN ISO 5079	1100
	- Yarn – Breaking Strength	TS EN ISO 2062	750
	- Yarn Knot/Loop Breaking Strength	TS 5692	750
	- Fabric – Tensile Strength (Strip Method)	**TS EN ISO 13934-1 (T)**	450
	- Fabric – Tensile Strength (Grab Method)	**TS EN ISO 13934-2 (T)**	450
	- Nonwoven – Breaking Strength	TS EN 29073-3	450
	- Coated Fabric – Tensile Strength	TS 2008 EN ISO 1421	550
	- Leather – Breaking Strength	TS EN ISO 3376	450
	- In tests at temperatures between 0 °C and +250 °C	In addition to the test fee for each sample	600
	- In tests at temperatures between -70 °C and 0 °C	In addition to the test fee (Up to five (5) samples)	Priced according to current liquid nitrogen prices.
2	LAYER SEPARATION		
	- In laminated fabrics	In-House Method	1100
	- Adhesion strength of rubber to fabric	TS 4712	1100
	- Adhesion strength between surfaces	TS 4651 EN 25978	1100
3	TEAR RESISTANCE		
	- Elmendorf Tear	**TS EN ISO 13937-1 (T)**	450
	- Trouser Cut Rupture	**TS EN ISO 13937-2 (T)**	450
	- Wing Cut Tear	**TS EN ISO 13937-3 (T)**	450
	- Tearing with the Tongue Method	**TS EN ISO 13937-4 (T)**	450
	- Nonwoven – Tear Strength	TS EN ISO 9073-4	450
	- Leather – Tear Resistance	TS EN ISO 3377-1	550
	- Coated Fabric – Constant Speed Tear	TS EN ISO 4674-1	550
	- Coated Fabric – Tearing with Ballistic Pendulum Method	TS EN ISO 4674-2	550
	- Gloves – Tear Resistance	BS EN 388	1500
4	SEAM STRENGTH	TS EN ISO 13935-1	500
		TS EN ISO 13935-2	500
5	SEAM SLIPPAGE	**TS EN ISO 13936-1 (T)**	500
		TS EN ISO 13936-2	500
6	BURST STRENGTH - Hydraulic Method	**TS 393 EN ISO 13938-1 (T)**	500
7	LINEAR DENSITY DETERMINATION (NUMBER)		
	- Fiber Linear Density (Gravimetric Method)	TS 2874 EN ISO 1973	800
	- Yarn Linear Density (Number)	TS 244 EN ISO 2060	300
	- Linear Density of Thread Extracted from Fabric (Number)	TS ISO 7211-5	300
8	TWIST DETERMINATION		
	- Yarn Twist Amount and Direction (For one layer)	TS EN ISO 2061	300

	- Twist Amount and Direction of the Thread Taken from the Fabric (One layer for)	TS 256, TS ISO 7211-4	350
9	NUMBER OF SPOTS		250
10	DETERMINING YARN TYPE		
	- Whether Textured		300
	- Open-End Ring Separation		350
	- Filament – Staple Fiber Separation		300

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PHYSICAL TESTS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
11	NUMBER OF FOLDS		450
12	DETERMINATION OF HUMIDITY		
	- Fiber Moisture Determination	TS 467	900
	- Determination of Humidity in Yarn	TS 248	900
	- Determination of Moisture in Skin	TS EN ISO 4684	900
13	SINGLE FIBER LENGTH	TS 715 ISO 6989	800
14	TISSUE ANALYSIS		
	- Basic Braids		400
	- Mixed Braids		800
15	UNIT AREA WEIGHT (GRAMAGE)		
	- Fabric – Unit Area Weight	**TS 251 (T)**	250
	- Coated Fabric – Total Mass	TS EN ISO 2286-1	250
	- Coated Fabric – Unit Area Weight	TS EN ISO 2286-2	250
	- Nonwoven – Unit Area Weight	TS EN 29073-1	250
	- Elastic Floor Coverings – Unit Area Weight	TS EN ISO 23997	300
16	NUMBER OF THREADS PER UNIT DISTANCE (FREQUENCY)	**TS 250 EN 1049-2 (T)**	350
17	THICKNESS DETERMINATION		
	- Fabric – Thickness Determination	TS 7128 EN ISO 5084	250
	- Nonwoven – Thickness Determination	TS EN ISO 9073-2	250
	- Floor Coverings – Thickness Determination	TS 3374 ISO 1765	250
	- Elastic Floor Coverings – Determination of Floor Thickness	TS EN ISO 24340	300
	- Elastic Floor Coverings – Determination of Total Thickness	TS EN ISO 24346	300
	- Coated Fabric – Thickness Determination	TS EN ISO 2286-3	250
18	SHORTENING RATE DUE TO KNITTING	TS 254 ISO 7211-3	300
19	FABRIC WIDTH DETERMINATION	TS EN 1773	250
20	COMB WIDTH		250
21	OPTICAL CONDITION		300
22	LOOP-GROUND RATIO (Pile ratio in pile fabrics)	TS EN 14697	300
		TS 629	300
23	DRAWING IN BOILING WATER	In-House Method	800
		TS EN 12590 – Annex B	800
24	ABRASION RESISTANCE		
	- Martindale Wear – Specimen Rupture Method	**TS EN ISO 12947-2 (T)**	450
	- Martindale Wear – Mass Loss Method	TS EN ISO 12947-3	650
	- Martindale Wear – Appearance Evaluation	TS EN ISO 12947-4	750
	- Protective Clothing – Martindale Abrasion	TS EN 530	650
	- Gloves – Abrasion Resistance	BS EN 388	2250
	- For every additional 10,000 cycles (Martindale)		250

	- Taber Wear	TS EN ISO 5470-1	500 TL/Test Sample
	- Elastic Flooring – Taber Abrasion Resistance	TS EN 660-2	500 TL/Test Sample
25	MARTNDALE PILLING	**TS EN ISO 12945-2 (T)**	450
26	CRUMPLE STRENGTH (CRUMPLE FLEX) - Up to 30,000 Cycles	TS EN ISO 7854: Method C	550
	- For every additional 10,000 cycles		250

PHYSICAL TESTS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
27	FABRIC WRINKLE RECOVERY	TS ISO 9867	450
28	DETERMINATION OF FLOOR CORRECTION ANGLE	TS EN ISO 2313-1	600
29	FABRIC HARDNESS (RIGIDITY)	TS ISO 4604	400
30	FABRIC DRAPPING	TS 9693	one thousand
31	BENDING STRENGTH	TS EN ISO 9073-7	450
		TS 1409	450
32	FABRIC ELASTICITY	TS EN 14704-1	600
33	AIR PERMEABILITY	**TS 391 EN ISO 9237 (T)**	350
34	SKIN-MOISTURE PERMEABILITY	TS EN ISO 14268	1200
35	THERMAL PERMEABILITY RESISTANCE MEASUREMENT (SWEATING GUARDED)	**TS EN ISO 11092 (T)**	3000
36	WATER VAPOR PERMEABILITY RESISTANCE MEASUREMENT (SWEATING GUARDED)	**TS EN ISO 11092 (T)**	3800
37	ELECTRICAL CONDUCTIVITY PROPERTIES		
	- Surface Resistance	**TS EN 1149-1 (T)**	2500
	- Vertical Resistance	**TS EN 1149-2 (T)**	2500
	- Electrical Conductivity Feature (Induction Method)	**TS EN 1149-3 (T)**	4500
	Evaluation fee according to TS EN 1149-5 standard is included in our test price.		
38	THERMAL CONDUCTIVITY	TS EN 12664	2500
		TS EN 12667	2500
		TS 415 EN 12939	2500
39	DIMENSIONAL CHANGE POST WASHING	**TS EN ISO 6330 (T)**	350
		TS EN ISO 3759 (T)	
		TS EN ISO 5077 (T)	
40	APPEARANCE POST WASHING	TS ISO 7768	350
		TS ISO 7770	
41	Each Additional Washing Cycle	**TS EN ISO 6330 (T)**	120
42	CHANGE IN FABRIC SKEW AFTER HOME LAUNDERING	TS ISO 16322-2	600
		AATCC 179	600
43	DETERMINING THE RESISTANCE OF FABRICS TO PENETRATION BY WATER		
	- 0-1000 mm water column	**TS EN ISO 811 (T)**	350
	- 1000-5000 mm water column		500
	- 5000-10000 mm water column		1200
	- 10000-20000 mm water column		2000
44	BUNDESMAN WATER REPELLENCY	TS EN 29865	1500
45	WATER REPELLENCY (Spray test)	**TS EN ISO 4920 (T)**	300
46	OIL REPELLENCY	TS EN ISO 14419	500
47	HYDROPHILICITY (Water Absorption Feature of Bleached Cotton Textile Products)	TS 866	650

48	DETERMINATION OF THICKNESS OF PILE ABOVE THE SUBSTRATE OF TEXTILE FLOOR COVERINGS	TS 7125 ISO 1766	600
49	DETERMINATION OF THE NUMBER OF TUFTS AND/OR LOOPS PER UNIT LENGTH AND PER UNIT AREA OF A TEXTILE FLOOR COVERING	TS ISO 1763	450
50	RESILIENT FLOOR COVERINGS	TS EN ISO 23996	750
51	DETERMINATION OF FRICTION COEFFICIENT	In-House Method	650

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COLOR FASTNESS TESTS/ANALYSIS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
1	AGAINST ARTIFICIAL WEATHER CONDITIONS*		
	- When 4 Blue Wool Standards Have Fading Equal to 4	**TS 4460 EN ISO 105-B04 (T)**	1500
	- When 5 Blue Wool Standards Have Fading Equal to 4		2100
	- 6 Blue When the Wool Standard Has Fading Equal to 4		3000
	- 7 Blue When the Wool Standard Has Fading Equal to 4		7200
	For 3rd and above samples in studies under the same conditions 50% discount will be applied.		
2	AGAINST ARTIFICIAL LIGHT*		
	- 4 Blue When the Wool Standard Has Fading Equal to 4	**TS EN ISO 105-B02 (T)**	1100
	- When 5 Blue Wool Standards Have Fading Equal to 4		1800
	- 6 Blue When the Wool Standard Has Fading Equal to 4		2700
	- 7 Blue When the Wool Standard Has Fading Equal to 4		7000
	For 3rd and above samples in studies under the same conditions 50% discount will be applied.		
3	AGAINST ARTIFICIAL LIGHT* In Textiles Wetted with Alkaline and Acidic Sweat		
	- 4 Blue When the Wool Standard Has Fading Equal to 4	TS EN ISO 105-B07	1300
	- When 5 Blue Wool Standards Have Fading Equal to 4		2100
	- 6 Blue When the Wool Standard Has Fading Equal to 4		3000
	- 7 Blue When the Wool Standard Has Fading Equal to 4		7200
	For 3rd and above samples in studies under the same conditions 50% discount will be applied.		
4	AGAINST WASHING	**TS EN ISO 105-C06 (T)**	300
		TS EN ISO 105-C08	300
		TS EN ISO 105-C09	300
		TS EN ISO 105 C10	300
5	AGAINST DRY CLEANING	TS EN ISO 105 D01	300
6	AGAINST FRICTION	**TS EN ISO 105-X12 (T)**	300
7	AGAINST FRICTION (With organic solvents)	TS 7807 EN ISO 105-D02	300
8	ANTI-SWEAT- Acidic	**TS EN ISO 105-E04 (T)**	300
	ANTI SWEAT - Alkaline		300
9	AGAINST WATER	**TS EN ISO 105-E01 (T)**	300
10	AGAINST SEA WATER	TS EN ISO 105-E02	300
11th	AGAINST CHLORINATE WATER	TS EN ISO 105-E03	450
12	AGAINST ACID DRIPS	TS EN ISO 105-E05	300
13	AGAINST ALKALINE DRIP	TS EN ISO 105-E06	300
14	AGAINST WATER DRIPPING	TS EN ISO 105-E07	300
15	AGAINST PEROXIDE	TS 400 EN ISO 105-N02	500
16	AGAINST HYPOCHLORITE	TS 739 EN 20105-N01	500
17	AGAINST IRON	TS 472 EN ISO 105-X11	300

COLOR FASTNESS TESTS/ANALYSIS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
18	AGAINST DRY HEAT	TS 3515 EN ISO 105-P01	300
19	AGAINST ARTIFICIAL SALIVA	**DIN 53160-1 (T)**	750
20	AGAINST OZONE IN THE ATMOSPHERE (1 Cycle: 4.5 hours, 450pphm)	TS 7562 EN ISO 105 G-03	900
21	GRAY SCALE – COLOR CHANGE EVALUATION	TS EN ISO 105-A02	350
22	GRAY SCALE – STAINING ASSESSMENT	TS 423-3 EN 20105-A03	350

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COMBUSTION AND AGING TESTS/ANALYSIS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
1	VERTICAL BURNING TESTS	TS EN ISO 6941	4000
		TS 5775 EN ISO 6940	4000
		ECE R118 – Annex 8	4000
		IMO FTP CODE 2010 Part 7	4000
2	VERTICAL BURNING TESTS	TS EN 1101	4000
		TS EN 1102	4000
		TS EN 1103	4000
		BS 5867-2 Type A	3800
		+ 12 After Washing	5200
		BS 5867-2 Type B	3800
		+ 12 After Washing	5200
		BS 5867-2 Type C	3800
		+ After 50 Washes	9800
3	45 DEGREE BURNING TEST	ASTM D1230	3800
4	HORIZONTAL BURNING TESTS	**TS ISO 3795 (T)**	4000
		ECE R118 – Annex 6 (T)	4000
		FMVSS 302 (T)	4000
5	UPHOLSTERY FABRICS*	BS 5852:0 (Cigarette)	2500
		BS 5852:1 (Matches)	2500
		BS 5852: 2-3 (Flame Welding)	2500
		BS 5852:4 (Crib)	3500
		BS 5852:5 (Crib)	3500
		BS 5852:6 (Crib)	4200
		BS 5852:7 (Crib)	4200
		TS EN 1021-1	2500
		TS EN 1021-2	2500
6	MATTRESS SAMPLES*	TS EN 597-1	2500
		TS EN 597-2	2500
7	MATTRESS TEXTILE MATERIALS*	TS EN ISO 12952-1	3500
		TS EN ISO 12952-2	3500
8	PROTECTIVE CLOTHING	**TS EN ISO 15025 (T) TS EN ISO 11612 Article 6.3 (T)**	4000
9	LIMIT OXYGEN INDEX MEASUREMENT (LOI)*	TS EN ISO 4589-2	3000
10	ELECTRIC BURNER COMBUSTION RESISTANCE	NF P92-503	4000
11th	FLAME RESISTANCE AND FLAME SPREAD TEST	NF P92-504	2500
12	MELT BEHAVIOR TEST	NF P92-505 ECE R118 Annex 7	3500
	(M1, M2, M3 and M4 classification is made according to NF P92-503, NF P92-504 and NF P92-505 standards.)		

COMBUSTION AND AGING TESTS/ANALYSIS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
13	TEXTILES AND MOVIES – COMBUSTION TEST FOR FLAME PROGRESS	NFPA 701 – Method 1	4000
14	ACCELERATED UV AGING	TS EN ISO 4892-3 (Cycle 1,2,3,4,5,6)	40 TL/Hour
		ASTM G154 (Cycle 1,2,3,4,5,6,7)	
		ISO 16474-3 (Cycle 1,2,3,4,5)	
		SAE J2020 (ASTM G154 Cycle 3)	
	Under the same conditions, a 50% discount is applied to second and above samples.		
15	OZONE AGING		
	- Static Stretching	**TS ISO 1431-1 (T)**	40 TL/Hour
	- Moist Static Stretching		45 TL/Hour
	- Dynamic Stretching		50 TL/Hour
	- Moist Dynamic Stretching		55 TL/Hour
	- High Speed Working (600 mm/s)	**TS ISO 1431-1 (T)** ASTM D1149	60 TL/Hour
	Under the same conditions, a 50% discount is applied to second and above samples.		
16	AGING UNDER ATMOSPHERIC CONDITIONS		
	- ()At temperatures between °C -100 °C		50 TL/Hour
	- ()At temperatures below °C and above 100 °C		55 TL/Hour
	- liquids In aging conditions		60 TL/Hour
	- Heat and under humidity cycling conditions		60 TL/Hour
	Under the same conditions, a 50% discount is applied to second and above samples.		
17	Appearance Evaluation After Aging in Atmospheric Conditions		300
18	Aging in Dry Air in an Oven ***Under the same conditions, a 50% discount is applied to second and above samples.***		35 TL/Hour
19	INCINERATION OVEN		
	- Ash Amount	TS 8003	1500
		TS 336 ISO 247	1500
		TS EN ISO 3451	1500
	- Amount of Glass Fiber	In-House Method	1500
	- Titanium Dioxide (TiO_2) Amount	In-House Method	1500

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ANALYTICAL AND CHEMICAL TEST/ANALYSIS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
1	DSC ANALYSIS (Melting Temperature, Melting Energy, Melting Peak, Crystallization Peak, Glass Transition Temperature - In Rubbers)	**TS EN ISO 11357-1 (T)** TS EN ISO 11357-2 **TS EN ISO 11357-3 (T)**	1100
2	TGA ANALYSIS (Mass change rates depending on temperature)	TS EN ISO 11358-1 PV 3927	1200
3	FT-IR ANALYSIS		450
4	SEM ANALYSIS		
	- Section Shape		350
	- ImageTaking		400 TL/Hour
	- GoldCovering		250
	- Sem+ Edx Elemental Analysis		500 TL/Hour
5	MICROSCOPE ANALYSIS		
	- ImageTaking		350 TL/Hour
	- Fiberfineness		800
	- filament Number (up to 150)		600
	- filament Number (more than 150 pieces)		1100
6	RAMAN SPECTROMETTER ANALYSIS		
	- Spectrum shooting (1 Laser)		900
	- Depth (1 Laser)		1200
	- mapping (1 Laser)		1200
7	SOUND TRANSMISSION LOSS MEASUREMENT	ASTM E2611	2700
8	SOUND ABSORPTION COEFFICIENT MEASUREMENT	TS EN ISO 10534-2 ASTM E1050	2400
9	CONTACT ANGLE ANALYSIS		1100
10	HYDROPHILITE With Contact Angle Device (Contact angle, surface tension)		1500
11	UV ANALYSIS		800
12	VISCOSITY DETERMINATION	TS EN ISO 1628-5 TS EN ISO 307	900
13	MELT FLOW INDEX* (with 2.16kg load mass)	ISO 1133-1 ASTM D1238	1200
14	COLOR MEASUREMENTS WITH SPECTROMETER (Color Difference, K/S, Color Coordinate, Lab. Value etc.)		550
15	WITH UV-VIS-NIR SPECTROMETER		
	- Reflectance Measurement		750
	- Permeability Measurement		750
	- Absorbance Measurement		750
16	LIGHT AND SOLAR RADIATION CHARACTERISTICS		
	- Light Transmittance	TS EN 410	1800
	- Thermal and visual comfort - Performance characteristics and classification	TS EN 410 TS EN ISO 14501	3000

17	DETERMINATION OF FORMALDEHYDE (The sample should be sent closed in a bag.)	**TS EN ISO 14184-1 (T)**	950
18	AMOUNT OF NON-FIBER MATERIAL	TS 4416	1300
19	PHENOLIC YELLOWING	TS EN ISO 105-X18	450
20	QUALITATIVE SIZING DETERMINATION		650
21	DETERMINATION OF SIZING TYPE		1250

22	AMOUNT OF SUBSTANCE SOLUBLE IN DICHLOROMETHANE	TS EN ISO 4048 Article 5.1	1500
23	pH DETERMINATION	**TS EN ISO 3071 (T)**	300
24	SAMPLE PREPARATION- EXTRACTION WITH SOXHLET		450
25	FAT DETERMINATION		one thousand
26	DETERMINATION OF CHEMICAL DAMAGE IN CELLULOSIC FABRICS - With Nessler Solution		750
27	FIBER DESCRIPTION		
	- Natural and Regenerated Fibers	With FTIR + Section Shape Method	800
	- Synthetic Fibers	With DSC + FTIR Method	1550
28	FIBER COMPOSITION - Dual Fiber Blend	**TS EN ISO 1833-1 (T),** 1833-3, 1833-4, 1833-5, 1833-6, 1833-7 (T), 1833-8, 1833-9, 1833-10, 1833-11 (T), 1833-12, 1833-13, 1833-14, 1833-15, 1833-16, 1833-17, 1833-18, 1833-19, 1833-20, 1833-21, 1833-22, 1833-24	one thousand
29	FIBER COMPOSITION - Triple Fiber Blend	TS EN ISO 1833-2, 1833-3, 1833-4, 1833-5, 1833-6, 1833-7, 1833-8, 1833-9, 1833-10, 1833-11, 1833-12, 1833-13, 1833-14, 1833-15, 1833-16, 1833-17, 1833-18, 1833-19, 1833-20, 1833-21, 1833-22, 1833-24	1500
30	For each additional Fiber		300

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PLASTIC AND RUBBER TESTING/ANALYSIS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
1	DSC ANALYSIS (Melting Temperature, Melting Energy, Melting Peak, Crystallization Peak, Glass Transition Temperature - In Rubbers)	**TS EN ISO 11357-1 (T)** TS EN ISO 11357-2 **TS EN ISO 11357-3 (T)**	1100
2	TGA ANALYSIS (Mass change rates depending on temperature)	TS EN ISO 11358-1 PV 3927	1200
3	FT-IR ANALYSIS		450
4	Evaluation of Carbon Black and Carbon Black/Silica Dispersion (Dispersion Test in Rubbers)	ISO 11345 Method A	600
5	SEM ANALYSIS		
	- Sectionshape		350
	- Image Acquisition		400 TL/Hour
	- Gold-plated		250
	- Sem+ Edx Elemental Analysis		500 TL/Hour
6	MELT FLOW INDEX* (with 2.16kg load mass)	ISO 1133-1 ASTM D1238	1200
7	HARDNESS DETERMINATION (Shore A)	**ISO 48-4 (T)** ISO 868 ASTM D2240	350
8	HARDNESS DETERMINATION (Shore D)	**ISO 48-4 (T)** ISO 868 ASTM D2240	350
9	Tires and Thermoplastics – Tensile Properties (Breaking Strength and Modulus of Elasticity)	**TS ISO 37 (T)** ASTM D412 DIN 53504	350 TL/Test Sample
10	Plastics – Determination of Tensile Properties	**TS EN ISO 527-2 (T)**	350 TL/Test Sample
11th	Rubber, Vulcanized or Thermoplastics – Tear Strength	TS ISO 34-1 ASTM D624	350 TL/Test Sample
12	Tensile – Elongation Strength, Elasticity Modulus and Tear Strength Tests between 0 °C and +250 °C temperatures	for each sample in addition to the testing fee.	700
13	Tensile – Elongation Strength, Elasticity Modulus and Tear Strength Tests between -70 °C and 0 °C temperatures	In addition to the testing fee (up to five (5) samples)	According to current liquid nitrogen prices is priced.
14	ADHESIVE STRENGTH OF RUBBER TO FABRIC AND METAL – LAYER SEPARATION TEST	ISO 813	350 TL/Test Sample
15	COMPRESSION TEST		450 TL/Test Sample
16	GETTING HYSTERESIS CURVE	FIAT 50409	550 TL/Test Sample
17	DENSITY DETERMINATION	**ISO 1183-1 Method A (T)**	650
18	VISCOSITY DETERMINATION	TS EN ISO 1628-5 TS EN ISO 307	900
19	ASH DETERMINATION	TS 336 ISO 247 TS EN ISO 3451	1500
20	pH DETERMINATION – In liquid samples		300
21	3 POINT BENDING DETERMINATION	**TS EN ISO 178 (T)** ASTM D790	350 TL/Test Sample

22	VERTICAL BURNING TEST	ASTM D3801 ECE R118 Annex 8	4000
23	HORIZONTAL BURNING TEST	**TS EN ISO 3795 (T)** ASTM D635 VW TL 1010 DBL 5307 **ECE R118 Annex 6 (T)**	4000
24	LIMIT OXYGEN INDEX (LOI)*	TS EN ISO 4589-2	3000

PLASTIC AND RUBBER TESTING/ANALYSIS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
25	ELECTRICAL CONDUCTIVITY PROPERTIES - Surface Resistivity/Resistivity - Volumetric Resistivity/Resistivity	ISO 14309 ASTM D257 TSB 550 1G-C1(Toyota)	2500
26	TABER WEAR	TS EN ISO 5470-1	500 TL /Test Sample
27	Aging in Weather Conditions (Atmosphere)	ASTM D471 DIN 53508	*Priced according to test conditions.
28	Aging in Oil, Chemicals and Liquids	TS ISO 1817 ASTM D471 DIN 53508	*Priced according to test conditions.
29	Aging in Water Vapor	DIN 53508	*Priced according to test conditions.
30	Breaking in Cold Weather	TS 4709 (5.3.9)	*Priced according to test conditions.
31	RUBBER - PERMANENT CRUSHING (Deformation)	**TS ISO 815-1 (T)**TS EN ISO 1856 ASTM D395	1300
32	PERMANENT DEFORMATION UNDER CONSTANT COMPRESSION	**TS ISO 815-1 (T)**TS EN ISO 1856 ASTM D395 PV 3307	1300
33	PERMANENT DEFORMATION UNDER CONSTANT STRETCH (24 hours)	ISO 2285	1300
34	ACCELERATED UV AGING	TS EN ISO 4892-3 (Cycle 1,2,3,4,5,6)	40 TL/Hour
		ASTM G154 (Cycle 1,2,3,4,5,6,7)	
		ISO 16474-3 (Cycle 1,2,3,4,5)	
		SAE J2020 (ASTM G154 Cycle 3)	
	Under the same conditions, a 50% discount is applied to second and above samples.		
35	OZONE AGING		
	- Static Stretching	**TS ISO 1431-1 (T)**	40 TL/Hour
	- Moist Static Stretching		45 TL/Hour
	- Dynamic Stretching		50 TL/Hour
	- Moist Dynamic Stretching		55 TL/Hour
	- High Speed Working (600 mm/s)	**TS ISO 1431-1 (T)** ASTM D1149	60 TL/Hour
	Under the same conditions, a 50% discount is applied to second and above samples.		
36	FOGGING TEST		
	- Gravimetric Method	DIN 75201 ISO 6452	5000
	- Photometric Method		5000
37	RHEOMETER ANALYSIS		
	- Scanning		1500
	- Viscosity Measurement		1500

38	SAMPLE PREPARATION WITH CNC DEVICE* (5 test samples)		1250

COMPOSITE MATERIALS TESTING/ANALYSIS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
1	SMOKE DENSITY ANALYSIS* - Smoke Density*	TS EN ISO 5659-2	14000
		IMO FTP Code Part 2	
		TS EN 45545-2+ A1 Annex C Method 1	
		ASTM E662	15000
		BS 6401	
		NES 711	
		NFPA 258	
2	SMOKE DENSITY AND TOXIC GAS RELEASE ANALYSIS* - Smoke Density and Toxic Gas Analysis* (Smoke Density & Toxicity)	TS EN ISO 5659-2	19000
		TS EN 14390	
		TS EN 17084	
		ISO 19702	
		TS EN 45545-2+ A1 Annex C Method 1	
		IMO FTP Code-2020 Ed. Bl-2	
		ASTM E662	20000
3	CONE CALORIMETER TEST* - Heat Release - Smoke Formation - Oxygen Consumption	TS ISO 5660-1	10000
		ASTM E1354	
		ASTM E1474	
		ASTM E1740	
		ASTM F1550	
		ASTM D6113	
		CAN ULC 135	
		BS 476 Part 15	
		TS EN 45545-2	
4	OXYGEN BOMB CALORIMETER TEST - Calorific Value of Materials	ISO 1928	2500 TL/Test Sample
		BS 1016-105	
		ASTM D240	
		ASTM D4809	
		ASTM D1989	
		ASTM D5865	
		ASTM D5468	
		DIN 51900	
		ASTM D5868	
		ASTM E711	
		EN ISO 1716	
		CEN TS 14198	
		GB T213	
	THERMOPLASTIC AND COMPOSITE COMBUSTION TESTS - Vertical Position		

5	- Horizontal Position - Burning in Foam - V Standardization - H Standardization	UL 94	2800

COMPOSITE MATERIALS TESTING/ANALYSIS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
6	COMMERCIAL FLOOR BURNING TEST*		
	- Critical Heat Flux (CHF)	EN ISO 9239-1	20000
	- Heat Flux (HF-X)	ASTM E648	
	- Exacerbation Status	ASTM E970	
	- HF 30	NFPA 253	
7	LATERAL BURNING AND FLAMING TEST*	IMO Resolution A653(16)	20000
	- Critical Heat Release (CFE)	TS ISO 5658	
	- Heat During Combustion (Q_sb)	ASTM E1317	
		ASTM E1321	
8	STRENGTH TESTS – up to 100 kN	ISO 527-3	350 TL /Test Sample
		ISO 527-4(T)	
		ISO 527-5	
	- Tensile Strength	**ASTM D3039(T)**	
	- Compressive Strength	TS EN 1007-4	
	- 3 Point Bending Strength	TS EN 658-3	
	- 4 Point Bending Strength		
	- Shear Strength	TS EN 658-5	
		ASTM D4255 – Procedure A	
		ASTM D5379	
9	STRENGTH TESTS – With Acoustic Emission Addition		1500 TL /Test Sample
	- Do not Pull		
	- Print		
	- 3 and 4 Point Bevel		
	- Shear		
10	STRENGTH TESTS – Fast Camera Added		1500 TL /Test Sample
	- Do not Pull		
	- Print		
	- 3 and 4 Point Bevel		
	- Shear		
11th	FATIGUE TEST	ASTM D3479 ASTM D430 ASTM D4482 ASTM D6115 ASTM D6588 ASTM E606 ISO 12110-2	
	- In Towing Position		
	- In Pressing Position		
	- 0-1 hour		900 TL
	- 1-6 hours		3000 TL
	- Additional hours over 6 hours		400 TL/hour
12	IZOD/CHARPY IMPACT RESISTANCE		
	- Izod Impact Resistance – No Notch	**ISO 180(T)**	350 TL/Test Sample
	- Izod Impact Resistance – Notched		
	- Charpy Impact Resistance – No Notch	**ISO 179-1(T)**	350 TL /Test Sample
	- Charpy Impact Resistance – Notched		

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TEST / ANALYSIS / INSPECTION SERVICES PRICE LIST

COMPOSITE MATERIALS TESTING/ANALYSIS			
No.	**TEST NAME**	**STANDARDS**	**Unit Price (TL)**
13	3 POINT BENDING DETERMINATION	TS EN ISO 14125	350 TL/Test Sample
14	Inter-layer shear strength Inter Laminar Shear Strength - (ILSS)	TS EN ISO 14130	350 TL/Test Sample
15	DROP WEIGHT IMPACT RESISTANCE	ISO 6603-1	750 TL/Test Sample
	- In the movies	ISO 6603-2	
	- on plates	ISO 7765-1	
	- In pipes	ISO 7765-2	
16	MICROSCOPE ANALYSIS		
	- Metal Microscope Analysis		600 TL/Hour
	- Preparing and Baking Sectional Samples		600
	- Surface Polishing		700
17	FAILURE ANALYSIS IN COMPOSITE MATERIALS		2500 TL/Test Sample
	C-Scan		
18	SAMPLE PREPARATION WITH CNC DEVICE* (5 test samples)		1250

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INSPECTION ANALYSIS		
It is the process of determining why the error in the product occurred by interpreting the data obtained from tests and analyzes with an analytical perspective and literature support.		
No.	**EXAMINATION NAME**	**Unit Price (TL)**
1	Interpretation of material component Tests and Analyzes (rubber, plastic, etc.) • Rubber and Plastic etc. breed • Interpretation of Instrumental Analysis Results [FTIR, DSC (Tg, enthalpy of melting and crystallization), TGA (temperature-dependent mass change, ash), etc.]	2500-5000**
2	Fault detection in fabrics • Contamination detection (oil stains, particles, foreign fibers) • Linear error detection (such as double weft, hook marks etc.) • Hole detection due to fiber breakage • Faulty coating detection (uneven, non-sticky or missing) Fault detection in yarns	After the product preliminary review, the total price is determined.
**In detecting the error in the examination analysis, support is received from the analysis results requested from the test unit laboratories. For this reason, the fees for additional tests and analyzes are added to the price by informing the customer.		

1. Unit prices are given excluding VAT.
2. When an examination report in English is requested, 650.00 TL (excluding VAT) is charged in addition to the examination fee.
3. If an English Report is requested after the "test report" delivery, other than the English Report requested in the Test/Analysis and Inspection Request Form, and/or for each additional "test report" requested after the report delivery, a reporting fee of 300.00 TL (excluding VAT) will be charged.
4. Normal service time is 3 days, express service time is 2 days. However, the required tests may be light fastness, aging, etc. In case of tests that take a long time, such as mass tests or the workload of the laboratory being high, the normal service time may be extended. If the period is extended, the customer will be informed orally and/or in writing. A 50% price difference is applied for fast delivery. Sample acceptance is until 17.00 every day, samples delivered later are processed the next day.
5. Sampling and sample definition are done by the customer. The customer is responsible for whether the sample is taken in accordance with the test conditions and its transportation, packaging and storage during the period until it is accepted to the laboratory.
6. A 20% discount is given to our corporate members and a 10% discount to all academics and students on the list price.
7. In aging tests, "50% discount is applied to the second and above samples under the same conditions." Since a 50% discount is applied pursuant to the article, no additional discount is applied. (Article 6: Corporate membership etc.)
8. Special prices are applied for multiple samples within the scope of R&D Projects.
9. A 10% discount rate is applied to private sector organizations for a single application of 55,000 TL and above.
10. Discount is not applied to tests marked * in the BUTEKOM Test/Analysis and Inspection Services List.
11. Accredited tests are indicated with a (T) sign in the test reports and Test Price List Form.
12. SMEs registered in KOSGEB's database can benefit from BUTEKOM's accredited tests within the scope of Test Analysis Support in the Business Development Support Program with a 60% support rate of maximum 300,000 TL for 2 years, provided that they meet KOSGEB's conditions. Current support conditions on the subject should be discussed with KOSGEB experts.

NOTE: Our test list is constantly updated. For your test requests that are not on the list test@butekom.org You can contact us at our address.

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TEST / ANALYSIS / INSPECTION
SERVICES PRICE LIST

SAMPLE QUANTITIES	
Fiber Definition and Composition, Fat Determination, Color Difference, Degree of Whiteness, Amount of Non-Fiber Matter, Hydrophilicity	Full Fabric Width 30x30 cm or 20 grams
Fabric Performance Tests (Water Repellency (Spray Test), Water Resistance, Dimension Change After Washing, Appearance After Washing)	Full Fabric Width 100 cm
Strength Tests (Rupture, Tear, Explosion, Seam Strength, seam opening, Air Permeability)	Full Fabric Width 200 cm
Fabric tests (Number, Twist, Density, Weight)	Full Fabric Width 50 cm
Yarn Tests	1 Coil (at least 2500 meters)
Fiber Tests (Fiber Length, Maturity, Strength, Fiber Fineness, Foreign Matter Determination, Moisture)	500 grams
Burning Tests	Full Fabric Width 200 cm
Fastness tests	20x20cm
Chemical analysis tests (Liquid and solid samples)	500 ml and 50 grams
Formaldehyde Analysis	20 grams or 100 ml (Must be in a closed bag to prevent air and light)
pH Determination	20 grams (Must be in a closed bag to avoid contact with hands)