

TECHNICAL SPECIFICATIONS

Physical and Mechanical Tests

PRODUCT STANDARD AND APPLICATIONS

Product	Soft Touch Series
Thickness	0.20 ± 0.01 Mm
Width	1240 Mm ~ 1260 Mm
Roll Length	500 M
Applications	Profile, Panel For Indoor Furniture

SOFT TOUCH FOIL TECHNICAL SPECIFICATION

TEST ITEMS		UNIT	SPEC.	DATA	REMARK
GLOSS METER		60'	>5	5	ASTM D 523
ELONGATION	MD	%	MIN. 20	30	JIS K6734
	TD		MIN. 20	30	
SHRINKAGE RATE	MD	%	MIN. -2.0	0.0	JIS K6732 (SPEED: 50MM/MIN)
	TD		MIN. -2.0	0.0	
SURFACE HARDNESS			>HB	H	ASTD D3363 / JIS K5400(750G-v ⁰)
SURFACE TENSION		MN/M	≥ 38 MN/M	≥ 38 MN/M	TS ISO 8296
SURFACE ROUGHNESS		RA,μ	≤ 0.12 μ	≤ 0.1 μ	TS 6212 EN ISO 4288
STRACH				NONE	STEEL WOOL#0000 AT 500 G/CM ² X 10CYCLES
CHEMICAL RESISTANCE (10CYCLES RUBBING X ROOM TEMPERATURE)				NO CHANGE	HCl 5%
				NO CHANGE	NAOH 5%
				NO CHANGE	TOLUENE
SOLVENT RESISTANCE (10CYCLES RUBBING X ROOM TEMPERATURE)				NO CHANGE	MEK
				NO CHANGE	METHANOL

SOFT TOUCH FOIL

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HIGH GLOSS

FEATURES	UNIT	VALUE	TEST METHOD
Density	kg/m ³	7.7-12-16-18 mm: 750 ± 7% 22-25-30 mm: 720 ± 7%	EN 323
Thickness Tolerance	mm	7.7-12-16-18 mm: ± 0,20 mm 22-25-30 mm: ± 0,30 mm	EN 324-1 EN 622-1
Aspect Tolerance	mm/m	± 2 mm/m, maksimum ± 5 mm	EN 324-1 EN 622-1
Squareness Tolerance	mm/m	2 mm/m	EN 324-2 EN 622-1
Side Smoothness Tolerance	mm/m	1.5 mm/m	EN 324-2 EN 622-1
Inflation in Thickness 24 Hours	%	7.7 mm 17% 12 mm 15% 16-18 mm 12% 22-25-30 mm 10 %	EN 317 EN 622-5
Inflection Resistance	N/mm ²	7.7 mm ≥ 23 N/mm ² 12 mm ≥ 22 N/mm ² 16-18 mm ≥ 20 N/mm ² 22-25-30 mm ≥ 18 N/mm ²	EN 310 EN 622-5
Inner Adhesion	N/mm ²	7.7 mm ≥ 0,65 N/mm ² 12 mm ≥ 0,60 N/mm ² 16-18-22-25-30 mm ≥ 0,55 N/mm ²	EN 319 EN 622-5
Formaldehyde Content	mg/100g	8 mg/100g	EN 120 EN 622-1
Humid Content	%	4 ÷ 11%	EN 322 EN 622-1

SUPRAMAT PANEL TECHNICAL DATASHEET



Mechanical Properties Board Mean Values	Test Method	Unit	Required Value
Density	TS EN 323	[kg/m ³]	Specific to AGT
Adhesive Resistance	TS EN 323	[N/mm ²]	≥ 0,55
Temperature Resistance	-	[°C]	≤ 80
Evaluation of Surface Resistance to Micro-Scratches	TS CEN / TS 16611 (Method A)	[% change]	≤ 10
Resistance to Cold Liquids (Resistance to Chemicals)	EN 12720+A1	[Class]	5
Surface Resistance to Dry Heat (70°C)	EN 12722	[Class]	5
Determination of Surface Resistance to Wet Heat	EN 12721	[Class]	5
Kırılmada Uzama	According to ISO R527-3 / ISO R527-3	[%]	Long. >50
Stain Resistance			5
Light resistance	Except PART 5, METHOD B (Indoor)	[Gray Scale]	5
Abrasion Resistance	UNI EN 438/10		4
Panel Warping Tolerance	TS EN 322	[mm]	Short Side (1220 mm) ≤ 4mm Long Side (2880 mm) ≤ 10 mm
Formaldehyde emission class(es)**	TS EN ISO 12460-5 ASTM D 6007	[mg/100gr] [ppm]	E0, CARB2, TSCA

General tolerances	Test Method	Unit	Required Value
Length and width tolerance	TS EN 324-1 EN 622-1	[mm]	±2,0 mm/m, max. ±5,0
Squareness	TS EN 324-1 EN 622-1	[mm/m]	±2.0
Edge straightness tolerance	TS EN 324-1 EN 622-1	[mm/m]	<=1.5
Thickness tolerance	TS EN 324-1 EN 622-1	[mm]	± 0,2
Standard sanding			K120 (It can be applied according to special demand)

Physical & Environment Properties	Test Method	Unit	Required Value
Fire behaviour category	TS EN 13501-1		Ds1 d2
EPD Certificate	ISO 14025 EN 15804		EPD Certificate
Migration Certificate	EN 13130-1		Migration Certificate
Gostr Certificate			

Folio Specification	Test Mehtod	Unit	Required Value
			SUPRAMAT
Thickness	TS EN ISO 11833-2	[mm]	0,25 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80

Folio Specification	Test Mehtod	Unit	Required Value
			BACK SURFACE
Thickness	TS EN ISO 11833-2	[mm]	0,15 ± 10%
Glossiness	TS EN ISO 2813	20°	-
Surface Roughness	TS EN ISO 21920-3	Ra, µm	-
Surface Tension	TS ISO 8296	mN/m	≥ 38 mN/m
Color Measurement	DIN EN ISO/CIE 11664-3	ΔE	≤ 0.80
Scratch Resistance - Pencil	TS EN ISO 15184	H	≥H
Scratch Resistance - Ericsen	ISO 4586-2	N	≥ N
UV Resistance (50 hours)	TS EN ISO 4892 (1-2-3)	ΔE	≤ 0.80