

S-Skate Technical Data Sheet (1)

Characteristics	Test method	Tested Value	Required Value
Thickness	EN 438-2 section 5	4.2 mm 6.1 mm 10.2 mm	$4.0 \leq t < 5.0 \text{ mm} : \pm 0.3 \text{ mm}$ $5.0 \leq t < 8.0 \text{ mm} : \pm 0.4 \text{ mm}$ $8.0 \leq t < 12.0 \text{ mm} : \pm 0.5 \text{ mm}$
Density	ISO 1183 – 1	1.4 gr/cm ³	Min. 1.35 gr/cm ³
Wear Resistance ⁽⁶⁾	EN 438-2 section 10 CGS ⁽²⁾ , CGF ⁽²⁾	IP > 15,000 Rev. Wear Value > 20,000 Rev	Initial Point $\geq$ 150 Rev. Wear Value $\geq$ 350 Rev.
Scratch Resistance	EN 438-2 section 25 CGS , CGF	3 N	Flat Surface Min. 2 N
Impact Resistance	EN 438-2 Big Ball section 21 CGS , CGF $4.0 \leq t < 6.0 \text{ mm}$ $t \geq 6.0 \text{ mm}$	No Crack , 4.5 mm No Crack , 3.5 mm	1400 mm height : no crack , 10 mm Max. 1800 mm height : no crack , 10 mm Max.
Resistance To Craziing (20 Hours @ 80°C)	EN 438-2 section 24 CGS , CGF	Level 4	Min. Level 4

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Characteristics	Test method	Tested Value	Required Value
Resistance to Dry Heat at 180°C	EN 438-2 section 16 CGS , CGF Natural Surface Finish	Level 5	Min.Level 4
Resistance to Water Vapor	EN 438-2 section 14 CGS , CGF Natural Surface Finish	Level 5	Min. Level 4
Resistance to Boiling Water	EN 438-2 section 12 CGS , CGF 4.0 ≤ t < 5.0 mm t ≥ 5.0 mm Natural Surface Finish	0.6% 0.7% 0.55% 0.65% Level 5	Max. 5% in weight Max. 6% in thickness Max. 2% in weight Max. 2% in thickness Min. Level 4
Resistance to Climatic Shock	EN 438-2 section 19 CGS , CGF Appearance Flexural Strength Index Ds Flexural Modulus Index Dm	Level 5 0.98 0.97	Min. Level 4 Min. 0.95 Min. 0.95

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S-Skate Technical Data Sheet (2)

Characteristics	Test method	Tested Value	Required Value
Resistance To Climatic Changes	Producer Internal Test ^(P) Appearance	Level 5	Min. Level 4
Resistance to Cigarette Burn	EN 438-2 section 30 CGS , CGF	Level 4	Min. Level 3
Resistance to Staining	EN 438-2 section 26 CGS , CGF		
	Group 1 + 2	Level 5	Min. Level 5
	Group 3	Level 5	Min. Level 4
Flatness	EN 438-2 section 9 CGS , CGF		
	$4.0 \leq t < 6.0$ mm	1.23 mm	Max. 8 mm / 1 M length
	$6.0 \leq t < 8.0$ mm	1.46 mm	Max. 5 mm / 1 M length
	$t \geq 10.0$ mm	1.87 mm	Max. 3 mm / 1 M length
Light Fastness	EN 438-2 section 27 CGS , CGF Grey Scale	Level 5	Min. level 4
High Temp. stability 70°C	EN 438-2 section 17 CGS , CGF		
	$4.0 \leq t \leq 5.0$ mm	L : 0.22 mm W : 0.35 mm	L : Max. 0.4 mm W : Max. 0.8 mm
	$t \geq 5.0$ mm	L : 0.18 mm W : 0.23 mm	L : Max. 0.3 mm W : Max. 0.6 mm

S-Skate Technical Data Sheet (2)

Characteristics	Test method	Tested Value	Required Value
Reaction to Fire ⁽⁶⁾	CGS $4.0 \leq t < 10.0$ mm <u>EN 13501-1</u>	C s2 d0	---
	<u>ASTM E 84 – 10</u>	Class B	---
	CGF $4.0 \leq t < 10.0$ mm <u>EN 13501-1</u>	B s1 d0	---
	<u>ASTM E 84 – 10</u>	Class A	---
Available Surfaces ⁽⁷⁾	---	1)PURE 2)NATURAL	Min. Level 3

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S-Skate Technical Data Sheet (3)

Characteristics	Test method	Tested Value	Required Value
Resistance To Climatic Changes	Producer Internal Test ^(P) Appearance	Level 5	Min. Level 4
Resistance to Cigarette Burn	EN 438-2 section 30 CGS , CGF	Level 4	Min. Level 3
Resistance to Staining	EN 438-2 section 26 CGS , CGF		
	Group 1 + 2	Level 5	Min. Level 5
	Group 3	Level 5	Min. Level 4
Flatness	EN 438-2 section 9 CGS , CGF		
	$4.0 \leq t < 6.0$ mm	1.23 mm	Max. 8 mm / 1 M length
	$6.0 \leq t < 8.0$ mm	1.46 mm	Max. 5 mm / 1 M length
	$t \geq 10.0$ mm	1.87 mm	Max. 3 mm / 1 M length
Light Fastness	EN 438-2 section 27 CGS , CGF Grey Scale	Level 5	Min. level 4
High Temp. stability 70°C	EN 438-2 section 17 CGS , CGF		
	$4.0 \leq t \leq 5.0$ mm	L : 0.22 mm W : 0.35 mm	L : Max. 0.4 mm W : Max. 0.8 mm
	$t \geq 5.0$ mm	L : 0.18 mm W : 0.23 mm	L : Max. 0.3 mm W : Max. 0.6 mm