SHIPRADE

S-XRay®

S-XRay Technical Data Sheet (1) :

Characteristics	Test Method	Required Value
Thickness	EN 438-2 section 5	2.0 ≤ t < 3.0 mm : ± 0.20 mm 3.0 ≤ t < 5.0 mm : ± 0.3 mm 5.0 ≤ t < 8.0 mm : ± 0.4 mm 8.0 ≤ t < 12.0 mm : ± 0.5 mm 12.0 ≤ t < 16.0 mm : ± 0.6 mm 16.0 ≤ t < 20.0 mm : ± 0.7 mm 20.0 ≤ t < 25.0 mm : ± 0.8 mm 25.0 ≤ t : According To Agreement customer / producer
Density	ISO 1183 - 1	Min. 1.35 gr/cm^3
Wear Resistance	EN 438-2 section 10 CGS	Initial Point ≥ 150 Rev. Wear Value ≥ 350 Rev.
Scratch Resistance	EN 438-2 section 25 CGS	Flat Surface Min. 2 N Textured Surface Min. 3 N
Impact Resistance	EN 438-2 Big Ball section 21 CGS 2.0 ≤ t < 6.0 mm t ≥ 6.0 mm	1400 mm height : no crack , 10 mm Max. 1800 mm height : no crack , 10 mm Max.
Resistance To Crazing (20 Hours @ 80°c)	EN 438-2 section 24 CGS	Min. Level 4

S-XRay Technical Data Sheet (1) :

Characteristics	Test Method	Required Value
Resistance to Dry Heat at 180°c	EN 438-2 section 16 CGS Glossy Surface Finish Other Surface Finish	 Min. Level 3 Min. Level 4
Resistance to Water Vapor	EN 438-2 section 14 CGS Glossy Surface Finish Other Surface Finish	 Min. Level 3 Min. Level 4
Resistance to Boiling Water	EN 438-2 section 12 CGS 2.0 ≤ t < 5.0 mm t ≥ 5.0 mm Glossy Surface Finish Other Surface Finish	 Max. 5% in weight Max. 6% in thickness Max. 2% in weight Max. 2% in thickness Min. Level 3 Min. Level 4

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S-XRay Technical Data Sheet (2) :

Characteristics	Test Method	Required Value
Resistance to Cigarette Burn	EN 438-2 section 30 CGS	Min. Level 3
Resistance to Staining	EN 438-2 section 26 CGS Group 1 + 2 Group 3	 Min. Level 5 Min. Level 4
Flatness	EN 438-2 section 9 CGS 2.0 ≤ t < 6.0 mm 6.0 ≤ t < 10.0 mm t ≥ 10.0 mm	 Max. 8 mm / 1 M length Max. 5 mm / 1 M length Max. 3 mm / 1 M length
Light fastness	EN 438-2 section 27 CGS Grey Scale	Min. level 4
High Temp. stability 70°c	EN 438-2 section 17 CGS 2.0 ≤ t ≤ 5.0 mm t ≥ 5.0 mm	 L : Max. 0.4 mm W : Max. 0.8 mm L : Max. 0.3 mm W : Max. 0.6 mm
Tensile Strength	EN ISO 527 – 2 CGS	Min. 60 MPa

S-XRay Technical Data Sheet (2) :

Characteristics	Test Method	Required Value
Flexural Strength	EN ISO 178 CGS	Min. 80 MPa

Remarks :

@ CGS = Compact Grade Standard Laminate
@ Required Values Based on 438-4