



Strat-O

HPL Compact

**TECHNICAL SPECIFICATION**

Thickness	EN 438-2 section 5	According to the required thickness	0.20<t<03.0mm:+_0.20mm ,03.0<t<05.0mm:0.30+_mm, 05.0<t<08.0mm:+_0.40mm, 08.0<t<12.0mm+_0.50mm, 12.0<t<16.0mm+_0.60mm, 16.0<t<20.0mm:+_0.70mm, 20.0<t<25.0mm:+_0.80mm
Density	ISO 1183-1	1.4	Min.1.35 GR/CM3
Wear Resistance	EN 438-2 section 10 CGS	IP=185 Rev. Wear Value=485 Rev	Initial Point > 150 Rev, Wear Value > 350 Rev
Scratch Resistance	EN 438-2 section 25 CGS	3N 4N	Flat Surface Min. 2 N, Textured Surface Min. 3 N
Impact Resistance	EN 438-2 Big Ball section 21 CGS 2.0 <t<6.0mm t>6.0mm	No Crack, 4.5 mm, No Crack ,3.5mm	1400 mm height : no crack.50 mm Max. , 1800 mm height : no crack, 50 mm Max.
Resistance to Crazing (20 Hours @ 80 degree celsius)	EN 438-2 section 24 CGS	Level 4	Min. Level 4
Resistance to Dry Heatat (180 degree celsius)	EN 438-2 section 16 CGS Glossy Surface Finish Other Surface Finish	Level 4, Level 5	Min. Level 3, Min Level 4
Resistance to Water Vapor	EN 438-2 section 14 CGS Glossy Surface Finish Other Surface Finish	Level 4, Level 5	Min. Level 3, Min Level 4
Resistance to boiling Water	EN 438-2 section 12 CGS 2<t<5.0mm i>5.0mm Glossy Surface Finish Other Surface Finish	2.2%,3.1%,0.55%,0.65%,level 4,level 5	Max.5% in weight, Max. 6% in thickness, Max. 2% in weight, Max.2% in thickness, Min. Levels , Min. Level 4
Resistance to Cigarette Burn	EN 438-2 section 30 CGS	Level 4	Min. Levels
Resistance to Staining	EN 438-2 section 26 CGS Group 1+2 Group 3	Level 5,Level 5	Min. Levels , Min Level 4
Flatness	EN 438-2 section 9 CGS 2.0<T<6.0mm 6.0<t<10.0mm t>10.0mm	1.23mm,11.46mm,1.87mm	Max. 8 mm/1 M Length, Max 5mm /1 M Length, Max.3 mm / 1M Length
Light Fastness	EN 438-2 section 27 CGS Grey Scale	Level 5	Min Level 4
High Temp, stability 70 degree celsius	EN 438 section 17 CGS 2.0 <t<5.0mm t>5.0mm	Level:0.22mm, W:0.35mm,L-0.18mm,W:0.23mm	L:Max. 0.4 mm, W: Max. 0.8mm, L: Max. 0.3mm, W: Max.0.6 mm
Tensile Strength	EN ISO 527-2 CGS	35Mpa	Min. 60 Mpa
Flexural Strength	EN ISO 178 EDS,EOF	114 Mpa	Min. 80 Mpa
Flexural Modulus	EN ISO 178 EDS,EOF	16.522Mpa	Min.9000 Mpa
Coefficient of Linear Thermal expansion(COTE)	ASTM D696-08	6.OX 10	rnmm~/mrrrc