Technical Data Sheet

Properties	Test Method	Property or Attribute	Unit (max or min)	Values	
				HGP	VGP
SURFACE QUALITY					
Surface Quality	EN-438-3	Spots, dirt and similar surface defects	mm^2/m^2	≤1	
		Fibres, hairs and scratches	mm/m^2	≤10	
DIMENSIONAL TOLERANCES					
Dimensional Tolerances	EN 438-2.5	Thickness tolerance	mm	0,5≤t<1,0mm:±0,10 mm 1,0<t<2.0 mm:+/-0,15 mm	
	EN 438-2.6	Length and width (b)	mm	+10/-0	
	EN 438-2.7	Straightness of edges (b)	mm/m	≤1,5	
	EN 438-2.8	Squareness	mm/m	≤1,5	
	EN 438-2.9	Flatness (a)	mm/m	≤60	
GENERAL PROPERTIES					
Resistance to surface wear	EN 438-2.10	Initial Value	Revolution	≥150	≥50
		Wear Value	Revolution	≥350	≥150
Resistance to immersion in boiling water	EN 438-2.12	Appearance-Gloss Finish	Rating (min)	3	
		Appearance-Other Finish	Rating (min)	4	
Resistance to water vapor	EN 438-2.14	Appearance-Gloss Finish	Rating (min)	3	
		Appearance-Other Finish	Rating (min)	4	
Resistance to dry heat (160°C)	EN 438-2.16	Appearance-Gloss Finish	Rating (min)	3	
		Appearance-Other Finish	Rating (min)	4	
Resistance to wet heat (100°C)	EN 438-2.18	Appearance-Gloss Finish	Rating (min)	3	
		Appearance-Other Finish	Rating (min)	4	
Dimensional stability at elevated temperature	EN 438-2.17	Cumulative dimensional change	Longitudinal (%)	≤ 0,55	≤ 0,75
		Cumulative dimensional change	Transversal (%)	≤ 1,05	≤ 1,25
Resistance to impact with small diamater ball	EN 438-2.20	Spring Force	N	≥ 20	≥ 15
Resistance to impact with large diameter ball	EN 438-2.21	Drop height	mm	≥ 800	≥ 600
		Indentation diameter	mm	≤ 10	≤ 10
Resistance to cracking under stress	EN 438-2.23	Appearance	Rating (min)	4	
Resistance to scratching	EN 438-2.25	Smooth Surface	Rating (min)	2	1
		Textured Surface	Rating (min)	3	2
Resistance to staining	EN 438-2.26	Appearance-Group 1&2	Rating (min)	5	
		Appearance-Group 3	Rating (min)	4	
Light fastness (Xenon-arc)	EN 438-2.27	Contrast	Grey scale rating	4-5	
Formability (HGP - VGP)	EN 438-2.31-32	Radius	L(parallel to fibre direction) mm	≤ 10 x laminate nominal thickness	
		Radius	T (right angles to fibre direction) mm	≤ 20 x laminate nominal thickness	
Resistance to blistering	EN 438-2.33-34	Time to blister	Seconds-nominal thickness<0,8mm	≥ 10	
		Time to blister	Seconds-nominal thickness≥0,8mm	≥ 15	
Density	EN ISO 1183	Density	g / cm3 (min)	≥1,35	
Formaldehyde emission(0,7mm)	EN 717-1	Gas analysis	$mg/(m^2*h)$	0,3	