



Properties (cross-linked*)	Test Method	Unit	Result
Elongation	ASTM D412	%	700-900
Secant modulus	ASTM D412	MPa	<14
Tensile strength at break	ASTM D412	MPa	≥10
Hardness shore A	ASTM D2240	-	≥60
Refractive Index	ISO 489	-	1.48
Water absorption	ASTM D570	%	<0.1
WVTR	ASTM D412	g-m ² 24h	≤30
Gel content	TPI Method	%	≥85
UV cutoff	TPI Method	nm	360
Haze	TPI Method	%	≤0.3
Transparency (360-1100nm)	TPI Method	%	>90
Yellowness Index of UV exposure test	TPI Method	ΔYI	≤4
Yellowness Index of UV exposure test (85°C, 85%RH, 1000h)	TPI Method	ΔYI	≤2

*results depend on the lamination conditions



Stability	TIS1222-2539 (1996)	
Penetration resistance (pendulum)	Specimen must not be break through and 75 mm diameter impactor must not freely penetrate.	pass
Impact resistance (ball drop)	In breakage occur situation, the interlayer must not be torn. The fragment will be peel off but not appeared the adhering layer. (Ball diameter 63.5 mm, 1.04 KG)	pass
Resistance to light (UV 750 W, 45°C, 100 h)	Stain, opacity and bubbles are not allowed. Decreasing of light transmittance must be less than 10%.	pass
Resistance to heat (boil test, 100°C, 2 h)	Fine crack is allowed to occur but bubbles and other defects near the edge or fine crack within 13 mm are not.	pass



If you need any specific testing or more information please contact us.



Processing

Minimum temperature (for outdoor use)	110°C / 230 F
Maximum temperature	150°C / 300 F
Production process	Vacuum - Nip-roll Autoclave lamination



Dimensions & Packaging

Thickness	min. 0.2 mm - max. 1.14	
Width	max. 2,200 mm	
Length	0.38 mm - 100 m 0.76 mm - 50m 1.14 mm - 35m	Custom thickness, width and packaging on request
Core	76 mm - 152mm	
Packaging	In cardboard boxes	



Storage recommendation

Temperature	< 30°C / 85 F
Humidity	< 80%
Shelf life	use by 9 months after date of production

For more information please contact



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