



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-m2 24h	≤30
Gel content (≥85% recomm.) (VS102 can reach 95+%)	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)	pass
Impact resistance (ball drop)	pass
Resistance to light (UV 750 W, 45°C, 100 h)	pass
Resistance to heat (boil test, 100°C, 2 h)	pass

For more testing and CE marking please refer to VISTASAFE VS103



ISO 90014 : 2008
Certificate NO.
QMS 14002/1523

1/2-Mar-2019



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



Processing

Minimum temperature (for outdoor use)	110°C / 230 F
Maximum temperature	140°C / 284 F
Production process	Vacuum process



Dimensions & Packaging

Thickness	min. 0.38 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



Your partner for Lamination since 2007
Distribution and Support for MEA region

IQ Interlayers FZE
Ajman Freezone . UAE
www.iqinterlayers.com

Made in Thailand by



Part of TPI Polene Public Company Limited
Since 1982 - over 35 years of experience