

Specification

Properties		Test Method	Unit	521.68	521.78
Physical Properties	Elongation	ASTM D412	%	650 - 850	
	Secant Modulus	ASTM D412	MPa	≤ 14	
	Adhesive Strength to Glass	TPI Method	N/cm	≥ 70	
	Adhesive Strength to Backsheet	TPI Method	N/cm	≥ 50	
	Hardness Shore A	ASTM D2240	-	65-75	
	Gel Content	TPI Method	%	≥ 80	
	Shrinkage MD	TPI Method	%	≤ 3	
	Shrinkage TD	TPI Method	%	≤ 2	
Optical Properties	UV Cut Off	ASTM D1003	nm	360	260
	Transmittance (260-1100 nm)	ASTM D1003	%	-	≥ 90
	Transmittance (360-1100 nm)	ASTM D1003	%	≥ 90	≥ 92
Electrical Properties	Volume Resistivity	ASTM D257	Ω.cm	≥ 1 × 10 ¹⁵	
	Dielectric Breakdown	ASTM D149	kV/mm	> 20	
Accelerated UV and Thermal Aging	Yellowness Index of UV Exposure Test (IEC 61215)	TPI Method	ΔYI	≤ 4	
	Yellowness Index of Damp Heat Test (85°C, 85%RH) for 1000 hrs.	TPI Method	ΔYI	≤ 2	

Remark:

Version: May 2018

1. Cured sample was used for gel content and adhesion test, elongation and secant modulus test.
2. Low iron content glass 3 mm was used for the optical transmission test

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