Lushan EV1050G2

Ethylene Vinyl Acetate Copolymer

Guangzhou Lushan New Materials Co., Ltd

Message:

Solar EVA Film (High Transmittance)
EVA film for encapsulating solar modules Lushan EV1050G1 is mainly used for PV module encapsulation. It's based on an ethylene vinyl acetate (EVA) copolymer and supplemented by special Chemical Accessories.
EVA film for encapsulating solar modules Lushan series could effectively protect to the PV cell, and has excellence performance of transmittance and aging-resistant. It provides structural support, electrical isolation, physical isolation/protection, and thermal conduction for solar circuits, as well as to maximize the service life of solar module.
Solar EVA Film Characteristic:
High volume resistivity and lasting adhesion strength holding capacity, and insure PV modules have long service life.
Low yellowness index change and low light transmittance attenuation, insure the high service efficiency of PV modules.
Excellent compatibility with flux welding ribbon, location tape, backsheet and silica gel.
Solar EVA film quality stability ensured by the complete and scientific quality management system.
With Strong R&D ability, Lushan has developed series solar EVA film new technolgies based on the fast cure solar EVA film Lushan EV1050G1, such as:
solar EVA film with high transmittance technology
solar EVA film with reinforced friendly technolgy
solar EVA film with low temperature fast cure technology

General Information			
Additive	Unspecified additive		
Features	Copolymer		
Uses	Solar panel		
Forms	Films		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.950	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	17 - 27	g/10 min	ASTM D1238
Molding Shrinkage			Internal method
Flow: 120°C	0.0	%	Internal method
Lateral flow: 120°C	0.0	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.10	%	ISO 62
Gel Content	> 80	%	Internal method
UV Cutoff - Wavelength	300	nm	Internal method
Adhesion Strength			ASTM D903
to backsheet	> 8.0	kN/m	ASTM D903
to glass	> 10.0	kN/m	ASTM D903
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	5.00	MPa	ISO 527-3
Tensile Strength	15.0	MPa	ISO 527-3
Tensile Elongation (Break)	> 500	%	ISO 527-3
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Melting Temperature	65.0 - 75.0	°C	ASTM D148
Electrical	**Nominal Value**	**Unit**	**Test Method**

Volume Resistivity	> 1.0E+14	ohms·cm	ASTM D150
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ISO 489
Transmittance	> 91.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method

Surface (Uncured): One Side Embossed

Recommended distributors for this material

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