HANWHA EVA X1629

Ethylene Vinyl Acetate Copolymer

Hanwha Chemical

General Information

Message:

HANWHA EVA X1629 designed for calendar process is manufactured with exhaustive inspection to be used as a solar cell encapsulant. Specially, EVA X1629 is consistent with customer demands to meet a quality of solar modules.

Optimized processability for producing EVA sheet in a calendar process.

Improved yellowing resistance and cross-linking efficiency compared with conventional grades.

Good compatibility with additives and optical property(transmittance and haze) to ensure solar cell efficiency.

Features	Copolymer		
	Crosslinkable		
	Good Processability		
	Opticals		
Uses	Solar Panels		
Agency Ratings	FDA 21 CFR 177.1350(a)(1)		
Forms	Pellets		
Processing Method	Calendering		
	Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Physical Density	Nominal Value 0.949	Unit g/cm³	Test Method ASTM D1505
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Density			
Density Melt Mass-Flow Rate (MFR) (190°C/2.16	0.949	g/cm³	ASTM D1505
Density Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.949 7.0	g/cm³ g/10 min	ASTM D1505 Internal Method
Density Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) Vinyl Acetate Content	7.0 29.0	g/cm³ g/10 min wt%	ASTM D1505 Internal Method Internal Method
Density Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) Vinyl Acetate Content Mechanical	7.0 29.0 Nominal Value	g/cm³ g/10 min wt% Unit	ASTM D1505 Internal Method Internal Method Test Method
Density Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) Vinyl Acetate Content Mechanical Tensile Strength (Break)	7.0 29.0 Nominal Value 13.7	g/cm³ g/10 min wt% Unit MPa	ASTM D1505 Internal Method Internal Method Test Method ASTM D638
Density Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) Vinyl Acetate Content Mechanical Tensile Strength (Break) Tensile Elongation (Break)	7.0 29.0 Nominal Value 13.7 920	g/cm³ g/10 min wt% Unit MPa %	ASTM D1505 Internal Method Internal Method Test Method ASTM D638 ASTM D638
Density Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) Vinyl Acetate Content Mechanical Tensile Strength (Break) Tensile Elongation (Break) Thermal	7.0 29.0 Nominal Value 13.7 920 Nominal Value	g/cm³ g/10 min wt% Unit MPa % Unit	ASTM D1505 Internal Method Internal Method Test Method ASTM D638 ASTM D638 Test Method

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