

HANWHA EVA 1633

Ethylene Vinyl Acetate Copolymer

Hanwha Chemical

Message:

HANWHA EVA 1633 designed for extrusion process is manufactured with exhaustive inspection to be used as a solar cell encapsulant. Specially, EVA 1633 is consistent with customer demands to meet a quality of solar modules.

Higher VA contents to ensure good optical and adhesion properties

Optimized processability for producing EVA sheet in a extrusion equipment.

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

General Information	
Features	Copolymer
	Good Adhesion
	Good Processability
Uses	Solar Panels
Agency Ratings	FDA 21 CFR 177.1350(a)(1)
Forms	Pellets
Processing Method	Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Vinyl Acetate Content	33.0	wt%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	7.16	MPa	ASTM D638
Tensile Elongation (Break)	840	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	< 30.0	°C	ASTM D1525
Melting Temperature	64.0	°C	ASTM D3417

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