

# HANWHA EVA 1628

Ethylene Vinyl Acetate Copolymer

Hanwha Chemical

## Message:

HANWHA EVA 1628 designed for extrusion process is manufactured with exhaustive inspection to be used as a solar cell encapsulant. Specially, EVA 1628 is consistent with customer demands to meet a quality of solar modules.

Optimized processability for producing EVA sheet in a extrusion equipment.

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.

General Information	
Features	Copolymer 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	0.949	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	18	g/10 min	ASTM D1238
Vinyl Acetate Content	28.0	wt%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	13.7	MPa	ASTM D638
Tensile Elongation (Break)	920	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	46.0	°C	ASTM D1525
Melting Temperature	71.0	°C	ASTM D3417

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## Recommended distributors for this material

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