Published Jan. 2024

Hanwha Solutions

1631

Ethylene Vinylacetate Copolymer

Photovoltaic Grade

MELT INDEX **26.0**

VA CONTENT **28.0**

HANWHA EVA 1631 is manufactured with exhaustive inspection to be used as a solar cell encapsulant. Specially, EVA 1631 is consistent with customer demands to meet a quality of solar modules.
This product complies with U.S. FDA regulation 21 CFR 177.1350 (a)(1)

▣ Outstanding Properties

High VA contents to ensure good optical and adhesion properties.
Optimized processability for producing EVA sheet in 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.

▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	26.0
VA Content	wt%	HCC Method(3)	28.0
Density	g/㎤	ASTM D1505	0.950
Vicat Softening Point	℃	ASTM D1525	<30
Melting Point	℃	ASTM D3417	71
Tensile Strength at Break	Kg/㎠	ASTM D638	75
Elongation at Break	%	ASTM D638	850
Brittleness Temperature, F_0	℃	ASTM D746	<-76

1. These are typical properties: not to be construed as specification.
2. The value for this property is dependent on part geometry and fabrication conditions.
3. Elemental Analyzer and FT-IR

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