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Hanwha Solutions

2050

Ethylene Vinylacetate Copolymer

Blown Film Grade

MELT INDEX	**0.8**
VA CONTENT	**12.0**
DENSITY	**0.931**

HANWHA EVA 2050 is manufactured by DOW high pressure tubular process and designed for a variety of film applications such as multilayer agricultural film. EVA 2050 has well-balanced properties of high clarity, mechanical properties and processability.

This product complies with U.S. FDA regulation 21 CFR 177.1350(a)(1).

▣ Outstanding Properties

Excellent processability
Good optical property
Good mechanical properties

▣ Processing Conditions

Melt temperature: 140 ~ 170℃
Blow-up ratio: 2 ~ 3
Optimum gage range: 0.05~0.1 mm

▣ Additives

Antioxidant

▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	0.8
VA Content	wt%	HCC Method	12.0
Density	g/cm^3	ASTM D1505	0.931
Vicat Softening Point	℃	ASTM D1525	72
Melting Point	℃	ASTM D3417	96
Tensile Strength at Break	kg/cm^2	ASTM D638	200
Elongation at Break	%	ASTM D638	780
Brittleness Temperature, F_0	℃	ASTM D746	<-76

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Film Properties		Unit	Test Method	Value
Film Thickness		Mm	HCC Method	0.06
Tensile Strength at Break	MD	kg/cm^2	ASTM D882	285
	TD			270
Elongation at Break	MD	%	ASTM D882	370
	TD			680
Tensile Tear Strength	MD	kg/cm	ASTM D1004	75
	TD			80
Dart Impact Strength		g	ASTM D1709	>400
Haze		%	ASTM D1003	1.5

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.

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