

Ethylene Vinylacetate Copolymer

Blown Film Grade

MELT INDEX 0.8**VA CONTENT 9.5****DENSITY 0.929**

HANWHA EVA 2040 is manufactured by DOW high pressure tubular process and designed for a variety of film applications such as multilayer agricultural film. EVA 2040 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 ~ 180°C
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	9.5
Density	g/cm ³	ASTM D1505	0.929
Vicat Softening Point	°C	ASTM D1525	77
Melting Point	°C	ASTM D3417	98
Tensile Strength at Break	kg/cm ²	ASTM D638	195
Elongation at Break	%	ASTM D638	760
Brittleness Temperature, F ₀	°C	ASTM D746	<-76

Film Properties		Unit	Test Method	Value
Film Thickness		Mm	HCC Method	0.06
Tensile Strength at Break	MD	kg/cm ²	ASTM D882	270
	TD			250
Elongation at Break	MD	%	ASTM D882	350
	TD			650
Tensile Tear Strength	MD	kg/cm	ASTM D1004	80
	TD			85
Dart Impact Strength		g	ASTM D1709	>400
Haze		%	ASTM D1003	3.0

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.