

HANWHA

Ethylene Vinylacetate Copolymer

2050

Blown Film Grade

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

HANWHA EVA 2050 is manufactured by DOW tubular high pressure process and designed for variety of film application such as multi-layer agricultural film. EVA 2050 has well balanced property of high clarity, mechanical property 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 Property

▣ **Processing Conditions**

Melt Temperature : 140 ~ 170°C
 Blow-up Ratio : 2 ~ 3
 Optimum Gage Range : 0.05 ~ 0.1 mm

▣ **Additives**

Anti oxidant

▣ **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/cc	ASTM D1505	0.931
Vicat Softening Point	°C	ASTM D1525	72
Melting Point	°C	HCC Method	96
Tensile Strength at Break	kg/cm ²	ASTM D638	200
Elongation at Break	%	ASTM D638	780
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	kg/cm ²	ASTM D882	MD 285
			TD 270
Elongation at Break	%	ASTM D882	MD 370
			TD 680
Tensile Tear Strength	kg/cm	ASTM D1004	MD 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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