

HANWHA

Ethylene Vinylacetate Copolymer

2040

Blown Film Grade

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

HANWHA EVA 2040 is manufactured by DOW tubular high pressure process and designed for variety of film application such as multi-layer agricultural film. EVA 2040 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**

Good Optical Property
 Good Mechanical Property
 Excellent Processability

▣ **Processing Conditions**

Melt Temperature : 140 ~ 180°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	9.5
Density	g/cc	ASTM D1505	0.929
Vicat Softening Point	°C	ASTM D1525	77
Melting Point	°C	HCC Method	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	kg/cm ²	ASTM D882	MD 270
			TD 250
Elongation at Break	%	ASTM D882	MD 350
			TD 650
Tensile Tear Strength	kg/cm	ASTM D1004	MD 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.



Hanwha B/D, 1 Changgyo-dong, Chung-ku, Seoul, Korea. Tel : 82-2-729-1292 Fax : 82-2-729-3000