



# 2240

## Ethylene Vinylacetate Copolymer

Flexible Package Grade

**MELT INDEX** 2.0

**VA CONTENT** 9.5

**DENSITY** 0.929

HANWHA EVA 2240 is manufactured by DOW high pressure tubular process and designed for a variety of film applications such as flexible package. EVA 2240 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	2.0
VA Content	wt%	HCC Method	9.5
Density	g/cm <sup>3</sup>	ASTM D1505	0.929
Vicat Softening Point	°C	ASTM D1525	75
Melting Point	°C	ASTM D3417	94
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	191
Elongation at Break	%	ASTM D638	780
Brittleness Temperature, F <sub>0</sub>	°C	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 <sup>2</sup>	ASTM D882	267
	TD			230
Elongation at Break	MD	%	ASTM D882	234
	TD			700
Tensile Tear Strength	MD	kg/cm	ASTM D1004	78
	TD			84
Dart Impact Strength		g	ASTM D1709	400
Haze		%	ASTM D1003	4.4

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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