



# 2020

## Ethylene Vinylacetate Copolymer

Blown Film Grade

<b>MELT INDEX</b>	<b>0.5</b>
<b>VA CONTENT</b>	<b>3.5</b>
<b>DENSITY</b>	<b>0.924</b>

HANWHA EVA 2020 is manufactured by DOW high pressure tubular process and designed for a variety of film applications such as multilayer agricultural film. EVA 2020 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: 150 ~ 190°C
- Blow-up ratio: 2 ~ 3
- Optimum gage range: 0.05~0.1 mm

### ▣ Additives

- Antioxidant, Slip agent, Anti-blocking agent

### ▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	0.5
VA Content	wt%	HCC Method	3.5
Density	g/cm <sup>3</sup>	ASTM D1505	0.924
Vicat Softening Point	°C	ASTM D1525	90
Melting Point	°C	ASTM D3417	104
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D638	185
Elongation at Break	%	ASTM D638	730
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	270
	TD			250
Elongation at Break	MD	%	ASTM D882	300
	TD			630
Tensile Tear Strength	MD	kg/cm	ASTM D1004	90
	TD			95
Dart Impact Strength		g	ASTM D1709	300
Haze		%	ASTM D1003	6.0

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.



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