

# HANWHA

## Ethylene Vinylacetate Copolymer

# 2020

Blown Film Grade

**MELT INDEX**            **0.5**  
**VA CONTENT**            **3.5**  
**DENSITY**                **0.924**

HANWHA EVA 2020 is manufactured by DOW tubular high pressure process and designed for variety of film application such as multi-layer agricultural film. EVA 2020 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 : 150 ~ 190 °C  
 Blow-up Ratio : 2 ~ 3  
 Optimum Gage Range : 0.05 ~ 0.1 mm

▣ **Additives**

Anti oxidant, 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/cc	ASTM D1505	0.924	
Vicat Softening Point	°C	ASTM D1525	90	
Melting Point	°C	HCC Method	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	
Film Properties	Unit	Test Method	Value	
Film Thickness	mm	HCC Method	0.06	
Tensile Strength at Break	kg/cm <sup>2</sup>	ASTM D882	MD	270
			TD	250
Elongation at Break	%	ASTM D882	MD	300
			TD	630
Tensile Tear Strength	kg/cm	ASTM D1004	MD	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.

