

# HANWHA EVA 1159

Ethylene Vinyl Acetate Copolymer

Hanwha Chemical

## Message:

HANWHA EVA 1159 is manufactured by Dow autoclave high pressure process and designed for variety of extrusion coating application such as thermal film(Laminex film) and flexible film etc. EVA 1159 is well known for its excellent processability and high quality assurance.

General Information			
Features	Good Adhesion		
	Good Drawdown		
	Good Processability		
	Low Temperature Heat Sealability		
	Opticals		
Uses	Coating Applications		
	Film		
Agency Ratings	FDA 21 CFR 177.1350(a)(1)		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	18	g/10 min	ASTM D1238
Vinyl Acetate Content	28.0	wt%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	13.7	MPa	ASTM D638
Tensile Elongation (Break)	920	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Seal Initiation Temperature	70.0	°C	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	46.0	°C	ASTM D1525
Peak Melting Temperature	71.0	°C	ASTM D3417
Additional Information	Nominal Value	Unit	
Allowable Coating Speed <sup>1</sup> (230°C)	> 5.0	m/sec	
Neck-in <sup>2</sup> (230°C)	90.0	mm	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160 to 220	°C	
Cylinder Zone 3 Temp.	160 to 220	°C	
Cylinder Zone 5 Temp.	160 to 220	°C	

Adapter Temperature	220	°C
Die Temperature	220	°C

#### NOTE

- 100 m/min line speed, 80 kg/hr output
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#### Recommended distributors for this material

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