

# HANWHA LDPE 955

Low Density Polyethylene

Hanwha Chemical

## Message:

HANWHA LDPE 955 is manufactured by autoclave process and designed for variety of extrusion coating application such as flexible packaging, paper coating etc. LDPE 955 is well known for its excellent neck-in, draw-down and high quality assurance.

General Information			
Features	Additive Free		
	Good Drawdown		
	Good Heat Seal		
	Low Neck-In		
Uses	Coating Applications		
	Packaging		
	Paper Coatings		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	9.32	MPa	
Break	9.81	MPa	
Tensile Elongation (Break)	450	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Water Vapor Transmission	16	g/m <sup>2</sup> /24 hr	ASTM F1249
Heat Seal Strength <sup>1</sup>	0.26	MPa	
Allowable Coating Speed <sup>2</sup> (305°C)	5.0	m/sec	
Neck-in <sup>3</sup>	30.0	mm	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	85.0	°C	ASTM D1525
Melting Temperature	105	°C	ASTM D3417
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	200 to 320	°C	
Cylinder Zone 3 Temp.	200 to 320	°C	

Cylinder Zone 5 Temp.	200 to 320	°C
Adapter Temperature	320	°C
Die Temperature	320 to 330	°C

NOTE		
1.	PET (12μm) / Print / LDPE (20μm) / Al Foil (7μm) / LDPE 955 (20μm)Time/Temperature: 305°C, Line Speed : 100m/min, Output: 80kg/hr	
2.	Melt Temperature : 305°C, Line Speed : 100m/min., Output: 80kg/hr	
3.	Melt Temperature : 305°C, Line Speed : 100m/min., Output: 80kg/hr	

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