

HANWHA LLDPE 9730

Linear Low Density Polyethylene

Hanwha Chemical

Message:

HANWHA Coating Resin 9730 is manufactured by UNIPOL gas phase process and designed for variety of extrusion coating application such as tarpaulin especially. Coating Resin 9730 is well known for its excellent draw-down, adhesion to HDPE yarn and high quality assurance.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Adhesion		
	Good Drawdown		
	Low Neck-In		
Uses	Coating Applications		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	10.3	MPa	
Break	16.7	MPa	
Tensile Elongation (Break)	670	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Water Vapor Transmission Rate	7.0	g/m ² /24 hr	ASTM F1249
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	94.0	°C	ASTM D1525
Additional Information	Nominal Value	Unit	
Allowable Coating Speed ¹ (305°C)	> 8.3	m/sec	
Neck-in ² (305°C)	45.0	mm	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	200 to 300	°C	
Cylinder Zone 3 Temp.	200 to 300	°C	
Cylinder Zone 5 Temp.	200 to 300	°C	
Adapter Temperature	300	°C	
Die Temperature	300	°C	

NOTE

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|----|---------------------------------------|
| 1. | 100 m/min line speed, 80 kg/hr output |
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