

HANWHA LDPE 963

Low Density Polyethylene

Hanwha Chemical

Message:

HANWHA LDPE 963 is manufactured by autoclave process and designed for variety of extrusion coating application such as paper and Tarpaulin coating etc. LDPE 963 is well known for its excellent processability and high quality assurance.

General Information			
Features	Additive Free		
	Good Drawdown		
	Good Heat Seal		
	Good Processability		
	Low Neck-In		
Uses	Coating Applications		
	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 ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	8.83	MPa	
Break	8.83	MPa	
Tensile Elongation (Break)	500	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Water Vapor Transmission	17	g/m ² /24 hr	ASTM F1249
Allowable Coating Speed ¹	6.7	m/sec	
Neck-in ²	38.0	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 315	°C	
Cylinder Zone 2 Temp.	200 to 315	°C	
Cylinder Zone 3 Temp.	200 to 315	°C	

Cylinder Zone 4 Temp.	200 to 315	°C
Cylinder Zone 5 Temp.	200 to 315	°C
Adapter Temperature	315	°C
Die Temperature	315	°C

NOTE


1.	Melt Temperature : 305°C, Line Speed : 100m/min., Output: 80kg/hr
2.	Melt Temperature : 305°C, Line Speed : 100m/min., Output: 80kg/hr

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT