

Sasol Polymers PP HMR127

Polypropylene Homopolymer

Sasol Polymers

Message:

- Features
- Medium flow
- Specially formulated for processing on both cast and water quenched blown film lines
- Very good clarity
- Fast migrating slip agent
- Low tendency to block
- High toughness
- Applications
- Extrusion
- Garment packaging
- Flower sleeves
- Food and confectionary packaging

General Information			
Additive	Anti-caking agent		
	Unspecified additive		
	slip agent		
Features	smoothness		
	Homopolymer		
	Anti-caking property		
	Medium liquidity		
	Definition, high		
	Good toughness		
	Compliance of Food Exposure		
Uses	Packaging		
	Food packaging		
Agency Ratings	EC 1935/2004		
	FDA 21 CFR 177.1520(a)(3)(i)(c)(1)		
	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particle		
Processing Method	Film extrusion		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ISO 8295
With itself-dynamic, blown film	0.17		ISO 8295
With itself-static, blown film	0.20		ISO 8295
Films	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-3
MD: Broken, 50 µm, blown film	44.0	MPa	ISO 527-3
TD: Broken, 50 µm, blown film	40.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Broken, 50 µm, blown film	700	%	ISO 527-3
TD: Broken, 50 µm, blown film	730	%	ISO 527-3
Dart Drop Impact ¹ (50 µm, Blown Film)	300	g	ISO 7765-1
Optical	Nominal Value	Unit	Test Method
Gloss (20°, 50.0 µm, Blown Film)	100		ASTM D2457
Haze (50.0 µm, Blown Film)	2.5	%	ISO 14782
Extrusion	Nominal Value	Unit	
Hopper Temperature	40.0 - 60.0	°C	
Cylinder Zone 1 Temp.	180 - 240	°C	
Cylinder Zone 2 Temp.	220 - 260	°C	
Cylinder Zone 3 Temp.	240 - 260	°C	
Cylinder Zone 4 Temp.	240 - 260	°C	
Cylinder Zone 5 Temp.	220 - 260	°C	
Melt Temperature	220 - 260	°C	
Die Temperature	220 - 240	°C	
Extrusion instructions			
Processing conditions are for cast film extrusion.			
NOTE			
1.	F50		

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