

Halene P F103

Polypropylene Homopolymer

Haldia Petrochemicals Ltd.

Message:

F103 is a Polypropylene Homopolymer, produced by the latest generation Spheripol Technology. This is an Extrusion grade primarily suitable for Monolayer or Coextruded Biaxially Oriented Polypropylene films (BOPP). F103 is designed to provide a very stable extrusion on stenter lines & to give low water carryover, excellent thickness control & increased drawability. BOPP films produced from F103 possess excellent Clarity, Gloss, Mechanical Strengths, high Impact & Puncture Resistance & barrier to Moisture, Aroma, Fats & Oils. Product produced from F103 is suitable for Food Contact application.

General Information			
Features	Baoxiang		
	Moisture proof		
	Highlight		
	Homopolymer		
	Perforation resistance		
	Impact resistance, high		
	Good stripping		
	Good strength		
	Oil resistance		
	Definition, high		
	Compliance of Food Exposure		
	Low water portability		
	Barrier resin		
Uses	Bi-axially Oriented Film		
	Films		
	Laminate		
	General		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus (Injection Molded)	1450	MPa	ASTM D790A

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	40	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525 ²
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	230 - 280	°C	
Cylinder Zone 2 Temp.	230 - 280	°C	
Cylinder Zone 3 Temp.	230 - 280	°C	
Cylinder Zone 4 Temp.	230 - 280	°C	
Cylinder Zone 5 Temp.	230 - 280	°C	
Extrusion instructions			
Water Bath Temperature: 10 to 15°C			
NOTE			
1.	23°C		
2.	压力1 (10N)		

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