

HOPELEN FC-150B

Polypropylene Homopolymer
Lotte Chemical Corporation

Message:

HOPELEN FC-150B is a high melt flow rate (MFR) polypropylene homopolymer especially designed for metallizing cast film technology. The resin is specifically designed not to discolor and to provide excellent film optical properties. The resin has a high crystalline, a melting point of 165 °C and metallizing purpose. This material is available as an extruded pellet. This is a low smoke, low volatile resin. It contains an unusually low level of extractable.

General Information			
Features	Crystalline		
	High Flow		
	Homopolymer		
	Low Extractables		
	Low Smoke Emission		
	Low VOC		
	Metallizable		
	Opticals		
Uses	Cast Film		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.3	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	> 100	%	ASTM D638, ISO 527-2
Flexural Modulus	1720	MPa	ASTM D790, ISO 178
Coefficient of Friction (Cast Film)	< 1.0		Internal Method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648, ISO 75-2/B
Melting Temperature	165	°C	Internal Method, ASTM D3418
Optical	Nominal Value	Unit	Test Method
Haze (30.0 µm, Cast Film)	< 1.0	%	ASTM D1003

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