

HOPELEN SFI-151

Polypropylene Homopolymer
Lotte Chemical Corporation

Message:

SFI-151 is the Homo polypropylene polymer manufactured by the Spheripol process. This grade is designed to potential end use applications include high transparency

General Information			
Features	High Clarity		
	Homopolymer		
Uses	Film		
	Food Packaging		
	Packaging		
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	102		ASTM D785
R-Scale	100		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	35.3	MPa	ASTM D638
Yield	32.4	MPa	ISO 527-2
Tensile Elongation (Break)	> 500	%	ASTM D638, ISO 527-2
Flexural Modulus			
--	1470	MPa	ASTM D790
--	1520	MPa	ISO 178
Coefficient of Friction (Cast Film)	< 1.0		Internal Method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	42	J/m	ISO 180
23°C	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	113	°C	ASTM D648
0.45 MPa, Unannealed	80.0	°C	ISO 75-2/B
Melting Temperature	162	°C	Internal Method

Optical	Nominal Value	Unit	Test Method
Haze (30.0 μm, Cast Film)	< 2.0	%	ASTM D1003

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