

HOPELEN SFI-151

PP HOMO POLYMER

General Information

Description

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

Applications

Cloth packaging, food packaging, General film

Physical Properties¹

Physical	Nominal Value	Unit	Test Method
Melt Flow Index	8	g/10min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Tensile Stress (Yield)	360	kgf/cm ²	ASTM D638
Tensile Strain (Break)	>500	%	ASTM D638
Flexural Modulus	15,000	kgf/cm ²	ASTM D790
Notched Izod Impact Strength (23℃)	4.0	kgf·cm/cm	ASTM D256
Rockwell Hardness	102	R	ASTM D785
Thermal			
Melting Point	162	℃	LOTTE'S
Heat Deflection Temperature (4.6kgf/cm ²)	113	℃	ASTM D648
Film Properties			
Haze	<2.0	%	ASTM D1004
C.O.F	<1.0		LOTTE'S

* Measured on 30 μ m CPP film made of SFI-151

NOTE

ISO 9001, 14001, /ITS 16949

¹ Physical Properties : these are not to be construed as specifications

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Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	8	g/10min		
Density	ISO 1183	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	330	kgf/cm ²	32	MPa
Tensile Strain (Break)	ISO 527-1	>500	%	>500	%
Flexural Modulus	ISO 178	15,500	kgf/cm ²	1,520	MPa
Other Properties					
Notched Izod Impact Strength (23℃)	ISO 180	4.3	kgf-cm/cm	41	J/m
Rockwell Hardness	ISO 180	100			
Thermal					
Melting Point		162	℃		
Heat Deflection Temperature	ISO 306	80	℃		

NOTE

ISO 9001, 14001, /TS 16949

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