

HOPELEN H1500

Polypropylene Homopolymer
Lotte Chemical Corporation

Message:

H1500 is homo polymer resin produced through the polymerization of propylene. This grade is designed to be processed in conventional injection molding equipment and offers high stiffness, heat stability, scratch resistance and high surface gloss.

General Information			
Features	Good Thermal Stability		
	High Gloss		
	High Stiffness		
	Homopolymer		
	Scratch Resistant		
Uses	Appliances		
	Electrical/Electronic Applications		
	Food Containers		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
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)	12	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	34.3	MPa	ASTM D638
Yield	32.4	MPa	ISO 527-2
Tensile Elongation (Break)	> 100	%	ASTM D638, ISO 527-2
Flexural Modulus			
--	1470	MPa	ASTM D790
--	1180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-10°C	20	J/m	ISO 180
-10°C	25	J/m	ASTM D256
23°C	29	J/m	ASTM D256
23°C	25	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	115	°C	ASTM D648

0.45 MPa, Unannealed	95.0	°C	ISO 75-2/B
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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