

# HOPELEN J-150

Polypropylene Homopolymer

Lotte Chemical Corporation

## Message:

J-150 is homo polymer resin produced through the polymerization of propylene. This grade is designed to be processed in conventional Injection molding equipment. J-150 shows good thermal stability and has high strength and stiffness. It is typically used in production of housewares and the general supplies.

General Information			
UL YellowCard	E85371-251705		
Features	Good Thermal Stability		
	High Stiffness		
	High Strength		
	Homopolymer		
Uses	Household Goods		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	36.3	MPa	ASTM D638
Yield	34.3	MPa	ISO 527-2
Tensile Elongation (Break)	> 100	%	ASTM D638, ISO 527-2
Flexural Modulus			
--	1670	MPa	ASTM D790
--	1320	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	120	°C	ASTM D648
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
Flammability	Nominal Value	Test Method	

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#### Recommended distributors for this material

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