

HOPELEN SJ-160

Polypropylene Homopolymer

Lotte Chemical Corporation

Message:

SJ-160 is homo polymer resin produced through the polymerization of propylene. This grade is designed to be processed in conventional Injection molding equipment. SJ-160 shows good thermal stability and has high strength and stiffness. It is typically used in production of housewares and the general supplies.

General Information			
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 ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.3	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-10°C	25	J/m	
23°C	29	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648

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