

HOPELEN J-170H

PP HOMOPOLYMER

General Information

Description

J-170H 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 flow, high stiffness, heat stability, scratch resistance and high surface gloss.

Applications

- ◆ Home appliances, Toy etc.
- ◆ Small & Middle-sized TWIM parts

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	30	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	360	kgf/cm ²	35	MPa
Tensile Strain (Break)	ASTM D638	<100	%	<100	%
Flexural Modulus	ASTM D790	17,000	kgf/cm ²	1,670	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	3.0	kgf-cm/cm	29	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	2.0	kgf-cm/cm	20	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	115	℃		

NOTE

ISO 9001, 14001, /TS 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	30	g/10min		
Density	ISO 1183	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	340	kgf/cm ²	33	MPa
Tensile Strain (Break)	ISO 527-1	<100	%	<100	%
Flexural Modulus	ISO 178	13,500	kgf/cm ²	1,320	MPa
Impact					
Notched Izod Impact Strength (23℃)	ISO 180	2.5	kgf-cm/cm	25	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	1.5	kgf-cm/cm	15	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	95	℃		

NOTE

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