

LOTTE CHEMICAL

January, 2013

KOPELEN JH-350

PP BLOCK COPOLYMER

General Information

Description

JH-350 is high impact block copolymer with high ethylene content as co-monomer. This grade is designed to be processed in conventional Injection molding equipment and base resin for compounding. JH-350 shows extremely high impact resistance at low temperature and has also high strength.

Applications

- ◆ General articles
- ◆ Automotive compound base resin

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	10	g/10min		
Density	ASTM D792	0.9	g/cm³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	230	kgf/cm²	23	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	11,000	kgf/cm²	1,080	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	12.0	kgf-cm/cm	118	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	5.5	kgf-cm/cm	54	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm²)	ASTM D648	100	℃		
Additional Properties					
Flammability	UL94	HB			

NOTE

ISO 9001, 14001, /TS 16949

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

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Applications

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Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	10	g/10min		
Density	ISO 1183	0.9	g/cm³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	220	kgf/cm²	22	MPa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	9,000	kgf/cm²	880	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ISO 180	11	kgf-cm/cm	105	J/m
Notched Izod Impact Strength (-10 °C)	ISO 180	5	kgf-cm/cm	49	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm²)	ISO 75-1	80	°C		
Additional Properties					
Flammability	UL94	HB			

NOTE

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