

LOTTE CHEMICAL

January, 2013

KOPELEN JM-380

PP BLOCK COPOLYMER

General Information

Description

JM-380 is high impact block copolymer which has more ethylene contents than normal block copolymer.

This grade is designed to be processed in conventional Injection molding equipment.

JM-380 shows Ultra high melt flow, controlled rheology and has medium impact resistance and high strength and stiffness.

This grade is appropriate for energy saving and multi-cavity injection molding.

Applications

- ◆ General domestic supplies
- ◆ Base resin for automotive parts

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	60	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	260	kgf/cm ²	25	MPa
Tensile Strain (Break)	ASTM D638	>10	%	>100	%
Flexural Modulus	ASTM D790	13,000	kgf/cm ²	1,270	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ASTM D256	6.0	kgf-cm/cm	59	J/m
Notched Izod Impact Strength (-10 °C)	ASTM D256	3.0	kgf-cm/cm	29	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	105	°C		
Additional Properties					
Flammability	UL94	-			

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	60	g/10min		
Density	ISO 1183	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	250	kgf/cm ²	25	MPa
Tensile Strain (Break)	ISO 527-1	<100	%	<100	%
Flexural Modulus	ISO 178	11,000	kgf/cm ²	1,080	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ISO 180	5.5	kgf-cm/cm	54	J/m
Notched Izod Impact Strength (-10 °C)	ISO 180	2.5	kgf-cm/cm	25	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	85	°C		
Additional Properties					
Flammability	UL94	-			

NOTE

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