

LOTTE CHEMICAL

January, 2013

KOPELEN JM-375

PP BLOCK COPOLYMER

General Information

Description

JM-375 is high impact block copolymer which has high ethylene-propylene rubber content. This grade is designed to be processed in conventional Injection molding equipment. JM-375 shows a high melt flow, controlled rheology and has good balance of strength, impact resistance, and processability.

Applications

- General supplies & Industrial supplies
- Automotive compound base resin

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	45	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	>50	%	>50	%
Flexural Modulus	ASTM D790	15,000	kgf/cm ²	1,470	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ASTM D256	7.5	kgf-cm/cm	74	J/m
Notched Izod Impact Strength (-10 °C)	ASTM D256	3.5	kgf-cm/cm	34	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	125	°C		
Additional Properties					
Flammability	UL94	-			

NOTE

ISO 9001, 14001, /ITS 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	45	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	13,000	kgf/cm ²	1,270	MPa
Impact					
Notched Izod Impact Strength (23℃)	ISO 180	7	kgf-cm/cm	69	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	3	kgf-cm/cm	29	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	105	℃		
Additional Properties					
Flammability	UL94	-			

NOTE

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