LOTTE CHEMICAL

January, 2013

KOPELEN JM-360 PP BLOCK COPOLYMER

General Information

Description

JM-360 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-360 shows better impact resistance than normal block copolymer and has good physical property balance.

Applications

- Industrial supplies
- Automotive compound base resin

Physical Properties[1]

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	20	g/10min		
Density	ASTM D792	0.9	g/cm^3		
Mechanical					
Tensile Stress (Yield)	ASTM D638	270	kgf/cm^2	26	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	13,000	kgf/cm^2	1,280	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	7.0	kgf·cm/cm	69	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	4.0	kgf·cm/cm	39	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm^2)	ASTM D648	105	℃		
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 Properties[1]

Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	20	g/10min		
Density	ISO 1183	0.9	g/cm^3		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	260	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℃)	ISO 180	6.5	kgf·cm/cm	64	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	3.5	kgf·cm/cm	34	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm^2)	ISO 75-1	85	℃		
Additional Properties					
Flammability	UL94	-			

NOTE ISO 9001, 14001, /TS 16949

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