

LOTTE CHEMICAL

May, 2013

KOPELEN JM-390

PP BLOCK COPOLYMER

General Information

Description

JM-390 is high impact block copolymer which has high ethylene-propylene rubber content. This grade is designed to be processed in huge Injection molding equipments by improvement in mold release and anti-static. JM-390 shows high melt flow and has good balance of strength, impact resistance.

Applications

- ◆ General household goods, thin-wall parts
- ◆ Home appliances etc.

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	80	g/10min		
Density	ASTM D792	0.90	g/cm³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	240	kgf/cm²	23	MPa
Tensile Strain (Break)	ASTM D638	<100	%	<100	%
Flexural Modulus	ASTM D790	15,500	kgf/cm²	1,520	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ASTM D256	5.0	kgf·cm/cm	49	J/m
Notched Izod Impact Strength (-10 °C)	ASTM D256	2.5	kgf·cm/cm	25	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm²)	ASTM D648	125	°C		
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

- ◆ General household goods, thin-wall parts
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Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	80	g/10min		
Density	ISO 1183	0.90	g/cm³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	230	kgf/cm²	23	MPa
Tensile Strain (Break)	ISO 527-1	<100	%	<100	%
Flexural Modulus	ISO 178	13,500	kgf/cm²	1,320	MPa
Impact					
Notched Izod Impact Strength (23℃)	ISO 180	4.5	kgf-cm/cm	44	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	2	kgf-cm/cm	20	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm²)	ISO 75-1	105	℃		
Additional Properties					
Flammability	UL94	HB			

NOTE

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