

# LOTTE CHEMICAL

January, 2013

## KOPELEN JM-350

## PP BLOCK COPOLYMER

### General Information

#### Description

JM-350 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-350 shows better impact resistance than normal block copolymer and has good physical property balance.

#### Applications

- ◆ Industrial supplies
- ◆ Automotive compound base resin

### Physical Properties<sup>1</sup>

Physical Properties <sup>1</sup>					
Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	10	g/10min		
Density	ASTM D792	0.9	g/cm <sup>3</sup>		
Mechanical					
Tensile Stress (Yield)	ASTM D638	270	kgf/cm <sup>2</sup>	26	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	13,000	kgf/cm <sup>2</sup>	1,280	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ASTM D256	8.5	kgf-cm/cm	83	J/m
Notched Izod Impact Strength (-10 °C)	ASTM D256	4.0	kgf-cm/cm	39	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	105	°C		
Additional Properties					
Flammability	UL94	HB			

### NOTE

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications

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### Physical Properties<sup>1</sup>

Physical Properties					
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	260	kgf/cm²	25	MPa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	11,000	kgf/cm²	1,080	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ISO 180	7.5	kgf-cm/cm	74	J/m
Notched Izod Impact Strength (-10 °C)	ISO 180	3.5	kgf-cm/cm	34	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm²)	ISO 75-1	85	°C		
Additional Properties					
Flammability	UL94	HB			

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