

# LOTTE CHEMICAL

January, 2013

## KOPELEN J-330

## PP BLOCK COPOLYMER

### General Information

#### Description

J-330 is impact block copolymer with ethylene content as co-monomer.

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

J-330 shows good impact resistance at low temperature and has also high strength.

It has broad range of property, and is used from industrial supplies to automotive compound base resin.

#### Applications

- ◆ General supplies & Industrial supplies
- ◆ Automotive compound base resin

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

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	4.0	g/10min		
Density	ASTM D792	0.90	g/cm <sup>3</sup>		
Mechanical					
Tensile Stress (Yield)	ASTM D638	280	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>	1,270	MPa
Impact					
Notched Izod Impact Strength (23 °C)	ASTM D256	9.0	kgf-cm/cm	88	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 <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	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	4.0	g/10min		
Density	ISO 1183	0.90	g/cm <sup>3</sup>		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	270	kgf/cm <sup>2</sup>	26	MPa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	11,000	kgf/cm <sup>2</sup>	1,080	MPa
Impact					
Notched Izod Impact Strength (23°C)	ISO 180	8	kgf-cm/cm	78	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 <sup>2</sup> )	ISO 75-1	85	°C		
Additional Properties					
Flammability	UL94	HB			

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ISO 9001, 14001, /ITS 16949

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