

## KOPELEN JI-320

## PP BLOCK COPOLYMER

### General Information

#### Description

JI-320 is impact block copolymer with ethylene content as co-monomer.

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

JI-320 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	1.8	g/10min		
Density	ASTM D792	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	290	kgf/cm <sup>2</sup>	28	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	12,000	kgf/cm <sup>2</sup>	1,280	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ASTM D256	11.0	kgf-cm/cm	108	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	3.5	kgf-cm/cm	34	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	105	℃		
<b>Additional Properties</b>					
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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#### Applications

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Physical Properties <sup>1</sup>					
Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	1.8	g/10min		
Density	ISO 1183	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ISO 527-1	280	kgf/cm <sup>2</sup>	27	MPa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	10,000	kgf/cm <sup>2</sup>	980	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ISO 180	10	kgf-cm/cm	98	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	3	kgf-cm/cm	29	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ISO 75-1	85	℃		
<b>Additional Properties</b>					
Flammability	UL94	HB			

#### NOTE

ISO 9001, 14001, /TS 16949

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