

## KOPELEN JH-380

## PP BLOCK COPOLYMER

### General Information

#### Description

JH-380 is high impact block copolymer with high ethylene content as co-monomer. This grade is designed to be processed in conventional Injection molding equipment and base resin for compounding. JH-380 shows very high melt flow, controlled rheology and has good impact resistance and high strength and stiffness.

#### Applications

- ◆ General articles, Home appliances
- ◆ Automotive compound base resin

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

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	65.0	g/10min		
Density	ASTM D792	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	230	kgf/cm <sup>2</sup>	23	MPa
Tensile Strain (Break)	ASTM D638	>10	%	>100	%
Flexural Modulus	ASTM D790	11,000	kgf/cm <sup>2</sup>	1,080	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23 °C)	ASTM D256	9.5	kgf-cm/cm	93	J/m
Notched Izod Impact Strength (-10 °C)	ASTM D256	5.0	kgf-cm/cm	49	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	100	°C		
<b>Additional Properties</b>					
Flammability	UL94	HB			

### NOTE

ISO 9001, 14001, /ITS 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	65.0	g/10min		
Density	ISO 1183	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ISO 527-1	220	kgf/cm <sup>2</sup>	22	MPa
Tensile Strain (Break)	ISO 527-1	<100	%	<100	%
Flexural Modulus	ISO 178	9,000	kgf/cm <sup>2</sup>	880	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23 °C)	ISO 180	8.5	kgf-cm/cm	83	J/m
Notched Izod Impact Strength (-10 °C)	ISO 180	4.5	kgf-cm/cm	44	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ISO 75-1	80	°C		
<b>Additional Properties</b>					
Flammability	UL94	HB			

### NOTE

ISO 9001, 14001, /ITS 16949

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