

## KOPELEN J-370A

## PP BLOCK COPOLYMER

### General Information

#### Description

J-370A is high impact block copolymer which has high ethylene-propylene rubber content. This grade is designed to be processed in Injection molding equipments by improvement in mold release and anti-static.

J-370A show high melt flow, low blush and has good balance of strength, impact resistance.

#### Applications

- ◆ home appliances case & cover, humidity-absorption container
- ◆ Base resin for compounding

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

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	35	g/10min		
Density	ASTM D792	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	270	kgf/cm <sup>2</sup>	26	MPa
Tensile Strain (Break)	ASTM D638	>50	%	>50	%
Flexural Modulus	ASTM D790	15,000	kgf/cm <sup>2</sup>	1,470	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23 °C)	ASTM D256	6.0	kgf-cm/cm	58	J/m
Notched Izod Impact Strength (-10 °C)	ASTM D256	3.0	kgf-cm/cm	29	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	125	°C		
<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	35	g/10min		
Density	ISO 1183	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ISO 527-1	260	kgf/cm <sup>2</sup>	25	MPa
Tensile Strain (Break)	ISO 527-1	<100	%	<100	%
Flexural Modulus	ISO 178	13,000	kgf/cm <sup>2</sup>	1,270	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23 °C)	ISO 180	5.5	kgf-cm/cm	54	J/m
Notched Izod Impact Strength (-10 °C)	ISO 180	2.5	kgf-cm/cm	25	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ISO 75-1	105	°C		
<b>Additional Properties</b>					
Flammability	UL94	HB			

### NOTE

ISO 9001, 14001, /TS 16949

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