

## KOPELEN JM-370K

## PP BLOCK COPOLYMER

### General Information

#### Description

JM-370K is high impact block copolymer which has high ethylene-propylene rubber content. This grade is designed to be processed in huge Injection molding equipments by improvement in mold release and anti-static. JM-370K show high melt flow and has good balance of strength, impact resistance.

#### Applications

- ◆ Huge home appliances case & cover
- ◆ Base resin for compounding

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

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	30	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	14,000	kgf/cm <sup>2</sup>	1,370	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ASTM D256	8.5	kgf-cm/cm	83	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	4.5	kgf-cm/cm	44	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	115	℃		
<b>Additional Properties</b>					
Flammability	UL94	-			

### 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	30	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	12,000	kgf/cm <sup>2</sup>	1,180	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23℃)	ISO 180	7.5	kgf-cm/cm	74	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	4	kgf-cm/cm	39	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ISO 75-1	95	℃		
<b>Additional Properties</b>					
Flammability	UL94	-			

### NOTE

ISO 9001, 14001, /TS 16949

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