

## KOPELEN JSS-370N

## PP BLOCK COPOLYMER

### General Information

#### Description

JSS-370N is a nucleated impact block copolymer which is produced by adding a heterophasic structure inside homo polypropylene.

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

JSS-370N shows good processability, high impact strength and stiffness, and super strength and excellent heat stability.

#### Applications

- ◆ High quality housewares, Industrial parts, Automotive parts
- ◆ Home appliance, Thin-wall container etc.

### 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	320	kgf/cm <sup>2</sup>	31	MPa
Tensile Strain (Break)	ASTM D638	>10	%	>10	%
Flexural Modulus	ASTM D790	20,000	kgf/cm <sup>2</sup>	1,960	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23 °C)	ASTM D256	6.0	kgf-cm/cm	59	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	135	°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	30	g/10min		
Density	ISO 1183	0.90	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ISO 527-1	310	kgf/cm <sup>2</sup>	30	MPa
Tensile Strain (Break)	ISO 527-1	<100	%	<100	%
Flexural Modulus	ISO 178	18,000	kgf/cm <sup>2</sup>	1,760	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	115	°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