

## KOPELEN JM-355

## PP BLOCK COPOLYMER

### General Information

#### Description

JM-355 is high impact block copolymer with high ethylene content as co-monomer. This grade is designed to be processed in conventional Injection molding equipment. JM-355 has extremely balance between good impact resistance and high stiffness. JM-355 has good weathering resistance.

#### Applications

- ◆ Crate, Pallet
- ◆ Carrier, General Merchandise etc.

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

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	10.0	g/10min		
Density	ASTM D792	0.9	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ASTM D638	280	kgf/cm <sup>2</sup>	27	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	15,500	kgf/cm <sup>2</sup>	1,520	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23 °C)	ASTM D256	8.5	kgf-cm/cm	84	J/m
Notched Izod Impact Strength (-10 °C)	ASTM D256	3.5	kgf-cm/cm	34	J/m
<b>Thermal</b>					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	125	°C		
<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	10.0	g/10min		
Density	ISO 1183	0.9	g/cm <sup>3</sup>		
<b>Mechanical</b>					
Tensile Stress (Yield)	ISO 527-1	270	kgf/cm <sup>2</sup>	26	MPa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	13,500	kgf/cm <sup>2</sup>	1,320	MPa
<b>Impact</b>					
Notched Izod Impact Strength (23 °C)	ISO 180	7.5	kgf-cm/cm	74	J/m
Notched Izod Impact Strength (-10 °C)	ISO 180	3	kgf-cm/cm	29	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	-			

### NOTE

ISO 9001, 14001, /TS 16949

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