

KOPELEN JM-350UN

PP BLOCK COPOLYMER

General Information

Description

JM-350UN is high impact block copolymer which has high ethylene-propylene rubber content. This grade is designed to be processed in conventional Injection molding equipment. JM-350UN has good physical property balance and weathering resistance.

Applications

- ◆ Battery case, Industrial supplies
- ◆ Automotive compound base resin

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	10	g/10min		
Density	ASTM D792	0.9	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	270	kgf/cm ²	26	Mpa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	13,500	kgf/cm ²	1,340	Mpa
Impact					
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
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	105	℃		
Additional Properties					
Flammability	UL94	HB			

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications

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Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	10	g/10min		
Density	ISO 1183	0.9	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	260	kgf/cm ²	25	Mpa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	11,500	kgf/cm ²	1,130	Mpa
Impact					
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
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	85	℃		
Additional Properties					
Flammability	UL94	HB			

NOTE

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