LOTTE CHEMICAL

January, 2013

KOPELEN J-350 PP BLOCK COPOLYMER

General Information

Description

J-350 is impact block copolymer with ethylene content as co-monomer.
This grade is designed to be processed in conventional Injection molding equipment.
J-350 shows good impact resistance at low temperature and has also high strength.
It has broad range of property, and is used from industrial supplies to automotive compound base resin.

Applications

- General supplies & Industrial supplies
- Automotive compound base resin

Physical Properties[1]

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	10	g/10min		
Density	ASTM D792	0.90	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	13,000	kgf/cm^2	1,280	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	7.0	kgf·cm/cm	69	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	3.0	kgf·cm/cm	29	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 Properties[1]

Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	10	g/10min		
Density	ISO 1183	0.90	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	11,000	kgf/cm^2	1,080	MPa
Impact					
Notched Izod Impact Strength (23℃)	ISO 180	6.5	kgf·cm/cm	64	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	2.5	kgf·cm/cm	25	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm^2)	ISO 75-1	85	℃		
Additional Properties					
Flammability	UL94	HB			

NOTE

ISO 9001, 14001, /TS 16949

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