LOTTE CHEMICAL

January, 2013

KOPELEN JH-370A PP BLOCK COPOLYMER

General Information

Description

JH-370A is high impact block copolymer with high ethylene content as co-monomer.

This grade is designed to be processed in conventional Injection molding equipment and base resin for compounding.

JH-370A shows extremely high impact resistance at low temperature and has also high strength.

Applications

- **General articles, Home appliances**
- **Automotive compound base resin**

Physical Properties[1]

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	27	g/10min		
Density	ASTM D792	0.9	g/cm^3		
Mechanical					
Tensile Stress (Yield)	ASTM D638	230	kgf/cm^2	23	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	12,500	kgf/cm^2	1,230	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	10.0	kgf·cm/cm	98	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	5.0	kgf·cm/cm	49	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	27	g/10min		
Density	ISO 1183	0.9	g/cm^3		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	210	kgf/cm^2	21	MPa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	10,500	kgf/cm^2	1,030	MPa
Impact					
Notched Izod Impact Strength (23℃)	ISO 180	9	kgf·cm/cm	88	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	4.5	kgf·cm/cm	44	J/m
Thermal					
Heat Deflection Temperature ($4.6kgf/cm^2$)	ISO 75-1	85	℃		
Additional Properties					
Flammability	UL94	HB			

NOTE

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