KPOL-PP K-PPC 6.0

Polypropylene Impact Copolymer

KPOL Chem Co.

Message:

Polypropylene Heterophasic Copolymer
Characteristics
The KPOL® resin is a propylene impact copolymer designed for injection molding applications, Excellent Balance of Stiffness and Impact Strength, Contains Nucleating , Good Mold Release.
Applications
Injection Molding, of thick parts, containers, closures, battery cases. SPC in general.
Superior Drop Impact at Refrigeration Temperature, Very High Flexural Modulus. Also is suitable for technical components: toys, sports, equipment, leisure goods, automotive, pallets, crates and pails.

General Information	
Additive	Antioxidant Nucleating Agent
Features	Antioxidant Good Impact Resistance Good Mold Release Good Stiffness Impact Copolymer Low Temperature Resistant Nucleated
Uses	Automotive Applications Battery Cases Closures Containers Crates Pallets Sporting Goods Thick-walled Parts Toys
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength [1] (Yield)	33.0	MPa	ASTM D638
Tensile Elongation [2] (Break)	8.5	%	ASTM D638
Flexural Modulus - 1% Secant	1450	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (-20°C)	180	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°C	ASTM D648
Vicat Softening Temperature	92.0	°C	ASTM D1525 [3]
NOTE			
1.	Type IV, 50 mm/min		
2.	Type IV, 50 mm/min		
3.	Rate A (50°C/h), Loading 1 (10 N)		

Recommended distributors for this material

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