KPOL-PP K-PPC 3.5

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 at low temperatures, Contains Nucleating , Good Mold Release.
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.
Applications
Injection / Automobile applications, Battery case, Home appliances, Industrial parts for electronic.
Thermoformed packages with high impact strength; Blown packages and technical parts in general.

General Information	
Additive	Antioxidant
	Nucleating Agent
Features	Antioxidant
	BPA Free
	Good Impact Resistance
	Good Mold Release
	Good Stiffness
	Impact Copolymer
	Low Temperature Resistant
	Nucleated
Uses	Appliances
	Automotive Applications
	Battery Cases
	Crates
	Electrical/Electronic Applications
	Industrial Parts
	Packaging
	Pallets
	Thermoforming Applications
	Toys
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Blow Molding
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	68		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	23.0	MPa	ASTM D638
Tensile Elongation [2] (Break)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant	1100	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (-20°C)	72	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.0	°C	ASTM D648
Vicat Softening Temperature	154	°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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