

KPOL-PP K-PPC 16.0

Polypropylene Impact Copolymer

KPOL Chem Co.

Message:

Polypropylene Heterophasic Copolymer

Applications

Injection Molding, Automobile Applications, Battery case ; Base resin for compounding, high impact resistance parts.

Good stiffness parts; Injection with good mechanical strength ; Household; Toys ; Industrial Pails for Electronic.

Characteristics

The KPOL® resin is a propylene impact copolymer designed for injection molding applications, has excellent toughness and good dimensional stability. It is a controlled rheology grade.

General Information			
Additive	Antioxidant		
	Nucleating Agent		
Features	Antioxidant		
	Controlled Rheology		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Stiffness		
	Good Toughness		
	High Impact Resistance		
	Impact Copolymer		
	Nucleated		
Uses	Automotive Applications		
	Battery Cases		
	Compounding		
	Household Goods		
	Industrial Applications		
	Pails		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	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)	16	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	27.0	MPa	ASTM D638
Tensile Elongation ² (Break)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	90	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	150	°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)		

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