

# KPOL-PP K-PPC 8.0

Polypropylene Impact Copolymer

KPOL Chem Co.

Message:

Polypropylene Heterophasic Copolymer

Applications

Injection Molding, Automobile Applications, Battery case ; Toys; Household Appliances; Crates; Buckets; Base resin for compounding ; High impact resistance parts.

It exhibits a good fluidity combined with a good balance of impact and stiffness as well as a low warpage tendency. Even at sub-zero temperatures and also provides good surface properties and excellent processability.

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 Flow		
	Good Processability		
	Good Stiffness		
	Good Toughness		
	High Impact Resistance		
	Impact Copolymer		
	Low Warpage		
	Nucleated		
Uses	Appliances		
	Automotive Applications		
	Battery Cases		
	Compounding		
	Crates		
	Pails		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method

Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Compression Molded)	65		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Compression Molded)	26.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (20°C, Compression Molded)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	93.0	°C	ASTM D648
Vicat Softening Temperature	148	°C	ASTM D1525 <sup>3</sup>
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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#### Recommended distributors for this material

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