

KPOL-PP K-PPR 10.0

Polypropylene Random Copolymer

KPOL Chem Co.

Message:

Polypropylene Random Copolymer for Injection Molding

Applications

Containers with high transparency, Containers for freezer, Housewares, Lids and Closures and Battery Cases.

Injection Molding.

Characteristics

The KPOL® resin is specially developed for producing injection molded articles with high clarity and also has better impact properties than homo PP counterparts.

Good Chemical Resistance, High Clarity, Good Impact Resistance, Good Processability, Medium Rigidity.

KPOL - PR-I/10 is suitable for Food contact application.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Processability		
	High Clarity		
	High Gloss		
	Medium Rigidity		
	Random Copolymer		
Uses	Battery Cases		
	Closures		
	Containers		
	Household Goods		
	Lids		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	33.0	MPa	ASTM D638

Tensile Elongation ² (Break)	11	%	ASTM D638
Flexural Modulus - 1% Secant	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	99.0	°C	ASTM D648
Vicat Softening Temperature	132	°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)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

