

KPOL-PP K-PPR 26.0

Polypropylene Random Copolymer

KPOL Chem Co.

Message:

PP Random Copolymer for 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 - K-PPR 26.0 is suitable for Food contact application.

Applications

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

Injection Molding and Injection Stretch Blow Molding of bottles and packages.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Processability		
	High Clarity		
	Medium Rigidity		
	Random Copolymer		
Uses	Battery Cases		
	Bottles		
	Closures		
	Containers		
	Food Containers		
	Household Goods		
	Lids		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
	Stretch Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	26	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	32.0	MPa	ASTM D638
Tensile Elongation ² (Break)	13	%	ASTM D638
Flexural Modulus - 1% Secant	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	77.0	°C	ASTM D648
Vicat Softening Temperature	130	°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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