KPOL-PP K-PPC 40.0

Polypropylene Impact Copolymer

KPOL Chem Co.

Message:

Polypropylene Heterophasic Copolymer
Characteristics
The KPOL® resin is high impact block copolymer which has more ethylene contents than normal block copolymer, designed for injection molding applications.
Characteristics : High Stiffness, Impact Strength, High flow.
Applications
KPOL® K-PPC 40.0 is a heterofhasic copolymer of high fluidity, which provides high rigidity and resistance to the average impact. By presenting excellent flavors, is recommended for use in packaging of food products that require low transfer of odor and taste. Injection Molding of Automobile applications, large container, Industrial parts for electronic, toys, thin-walled rigid containers, home utilities and others.

General Information	
Additive	Antioxidant
	Nucleating Agent
Features	Antioxidant
	Block Copolymer
	Food Contact Acceptable
	Good Impact Resistance
	Good Stiffness
	High Flow
	High Rigidity
	Low Odor Transfer
	Low Taste Transfer
	Nucleated
Uses	Automotive Applications
	Containers
	Electrical/Electronic Applications
	Household Goods
	Industrial Parts
	Thin-walled Parts
	Toys
Agency Ratings	FDA 21 CFR 177.1520
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)	40	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	88		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	27.0	MPa	ASTM D638
Tensile Elongation [2] (Break)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant	1300	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (-20°C)	35	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	108	°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)		

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

WECHAT