KPOL-PP K-PPH 16.0

Polypropylene Homopolymer

KPOL Chem Co.

Message:

Polypropylene Homopolymer
Applications
The KPOL® is a homopolymer used for general purpose injection moulding applications
It is suitable for production of complex articles with long flow paths and thin walls.
Typical applications are closures and garden furniture.
Characteristics
The KPOL® is specially developed for producing rigid injection molded articles for general purpose applications.
Injection of electric portables and household appliances; Injected chest of drawers and closets.
This product exhibits excellent processability with good melt stability and stiffness/impact strength balance.

General Information			
Additive	Antioxidant		
Features	Antioxidant BPA Free Food Contact Acceptable Good Impact Resistance Good Processability Good Stiffness High Melt Stability High Rigidity Homopolymer		
Uses	Appliances Closures Electrical/Electronic Applications Furniture General Purpose Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.905	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**
Durometer Hardness (Shore D)	70		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Strength [1] (Yield)	35.5	MPa	ASTM D638
Tensile Elongation [2] (Break)	13	%	ASTM D638
Flexural Modulus - 1% Secant	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	22	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	114	°C	ASTM D648
Vicat Softening Temperature	154	°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

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