KPOL-PP K-PPH 10.0

Polypropylene Homopolymer

KPOL Chem Co.

Message:

Polypropylene Homopolymer - High Stiffness / Impact Strength Balance
Characteristics
The KPOL® is specially developed for producing rigid injection molded articles for general purpose applications, specially designed to achieve high stiffness/impact strength balance.
It gives consistent processability and high gloss at the products. It is a controlled rheology grade.
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.

General Information			
Additive	Antioxidant		
Features	Antioxidant Controlled Rheology General Purpose Good Impact Resistance Good Processability Good Stiffness High Gloss High Rigidity Homopolymer		
Uses	Closures Furniture Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
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)	10	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	72		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	35.0	MPa	ASTM D638
Tensile Elongation [2] (Break)	10	%	ASTM D638
Flexural Modulus - 1% Secant	1600	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact	28	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	96.0	°C	ASTM D648
Vicat Softening Temperature	153	°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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