KPOL-PP K-PPH 3.5

Polypropylene Homopolymer

KPOL Chem Co.

Message:

Polypropylene Homopolymer
Applications
The KPOL® is a medium fluidity homopolymer used for general purpose and multipurpose grade for extrusion and injection moulding applications. Flip-top and resealable closures, thick wall parts, domestic appliances, industrial bags and big bags, compounds, curtains and covers to aviary and agriculture, monofilament for ropes, fishing nets, cables for boats, bristles for tooth brushes and brooms.
Characteristics
The KPOL® is specially developed for Production of Raffia (Flat Yarn) by Flat Die Extrusion (Water Quenched or Chill Roll), Injection Molding of thick parts, caps, closures, etc.
This product exhibits excellent processability, good melt stability, good stiffness/impact strength balance and low odor and flavor transfer. It is a controlled rheology grade.

General Information	
Additive	Antioxidant
	Processing Aid
Features	Antioxidant
	Controlled Rheology
	Food Contact Acceptable
	Good Impact Resistance
	Good Processability
	Good Stiffness
	High Melt Stability
	Homopolymer
	Low Odor Transfer
	Low Taste Transfer
	Medium Flow
Uses	Agricultural Applications
	Appliances
	Bags
	Caps
	Closures
	Compounding
	General Purpose
	Monofilaments
	Netting
	Rope
	Thick-walled Parts
	Yarn

Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Extrusion 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)	3.5	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, Compression Molded)	73		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, Compression Molded)	36.0	MPa	ASTM D638
Tensile Elongation [2] (Break, Compression Molded)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1550	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Compression Molded)	45	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	91.0	°C	ASTM D648
Vicat Softening Temperature	155	°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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