KPOL-PP K-PPH 1.40

Polypropylene Homopolymer

KPOL Chem Co.

Message:

Polypropylene Homopolymer
Characteristics
The KPOL® is specially developed for Production of Raffia (Flat Yarn) by Flat Die Extrusion (Water Quenched or Chill Roll) .
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.
Applications
The KPOL® is a low melt flow rate homopolymer used for general purpose and multipurpose grade for raffia extrusion and fiber extrusion. This resin is designed for blow moulding and extrusion applications : Extrusion, Blow molding and possibly for injection molding.

General Information	
Additive	Antioxidant Processing Aid
Features	Antioxidant Controlled Rheology General Purpose Good Impact Resistance Good Processability Good Stiffness Homopolymer Low Flow Low Odor Transfer Low Taste Transfer
Uses	BCF Yarn Fibers
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Blow Molding Extrusion Fiber (Spinning) Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.903	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.4	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	33.0	MPa	ASTM D638

Tensile Elongation [2] (Break)	13	%	ASTM D638
Flexural Modulus - 1% Secant	1400	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	45	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°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)		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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