

# KPOL-PP K-PPH 2.0

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	0.905	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	34.0	MPa	ASTM D638

Tensile Elongation <sup>2</sup> (Break)	12	%	ASTM D638
Flexural Modulus - 1% Secant	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	44	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	91.0	°C	ASTM D648
Vicat Softening Temperature	156	°C	ASTM D1525 <sup>3</sup>
NOTE			
1.	Type IV, 50 mm/min		
2.	Type IV, 50 mm/min		
3.	Rate A (50°C/h), Loading 1 (10 N)		

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#### Recommended distributors for this material

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