

# KPOL-PP K-PPH 41.0

Polypropylene Homopolymer

KPOL Chem Co.

## Message:

Polypropylene Homopolymer

### Characteristics

The KPOL Chem - PPH 41.0 is a high melt flow rate additivated homopolymer used for general purposes. The product exhibits excellent processing performance on injection moulding applications and Coating applications.

### Applications

Injection Molding of thin parts like cups, closures, appliances, housewares, Thin-walled packages for food and cosmetics; Toys; Household appliances; Sealed bottle caps; Compounds; Coating for raffia bags or big- bag.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	General Purpose		
	High Flow		
	Homopolymer		
Uses	Appliances		
	Bags		
	Caps		
	Coating Applications		
	Cups		
	Food Packaging		
	Household Goods		
	Packaging		
	Thin-walled Parts		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Coating		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.903	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	41	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	35.0	MPa	ASTM D638

Tensile Elongation <sup>2</sup> (Break)	11	%	ASTM D638
Flexural Modulus - 1% Secant	1350	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)	100	°C	ASTM D648
Vicat Softening Temperature	154	°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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