

# KPOL-PP K-PHC 40.0

Polypropylene Homopolymer

KPOL Chem Co.

Message:

Polypropylene Homopolymer With High Transparency and Gloss

Applications

Injection Molding of thin parts like cups, closures, appliances, housewares, etc.

High transparency packaging for food and cosmetics. Thin walled parts and easy mould filling.

Characteristics

The KPOL® resin is na extra high fluidity homopolymer with high transparency and gloss. It is a controlled rheology grade.

General Information			
Additive	Antioxidant		
	Nucleating Agent		
Features	Antioxidant		
	Controlled Rheology		
	Food Contact Acceptable		
	High Clarity		
	High Flow		
	High Gloss		
	Homopolymer		
	Nucleated		
Uses	Appliances		
	Closures		
	Cosmetic Packaging		
	Cups		
	Food Packaging		
	Household Goods		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
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)	40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		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)	10	%	ASTM D638
Flexural Modulus - 1% Secant	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	24	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	111	°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)

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

