

# KPOL-PP K-PPH 8.5I

Polypropylene Homopolymer

KPOL Chem Co.

Message:

Polypropylene Homopolymer

Applications

The KPOL® is a medium flow homopolymer used for general purpose injection moulding applications.

It is suitable for production of complex articles with long flow paths and thin walls. Typical applications are Sealed or flip-top closures; and garden furniture.

Characteristics

The KPOL® is specially developed for injection molded articles for general purpose applications. This product exhibits excellent processability with good melt strength and stiffness/impact strength balance.

It gives consistent processability and high gloss at the products.

It is a controlled rheology grade and High Crystallinity.

General Information			
Additive	Antioxidant		
	Nucleating Agent		
Features	Antioxidant		
	Controlled Rheology		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Melt Strength		
	Good Processability		
	Good Stiffness		
	High Gloss		
	Highly Crystalline		
	Homopolymer		
	Medium Flow		
	Nucleated		
Uses	Closures		
	Furniture		
	General Purpose		
	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/cm <sup>3</sup>	ASTM D1505

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	95		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Compression Molded)	38.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	6.5	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	92.0	°C	ASTM D648
Vicat Softening Temperature	155	°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

