

SureSpec HP-005

Polypropylene Homopolymer

Genesis Polymers

Message:

HP-005 is a Polypropylene certified prime grade designed for Profile Extrusion. HP-005 combines excellent processability, enhanced Long-Term Thermal Stability. HP-005 complies with FDA regulation 21CFR 177.1520 and with most international regulations concerning the use of Polypropylene in contact with food articles.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Thermal Stability		
	Homopolymer		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	101		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.8	MPa	ASTM D638
Tensile Elongation (Break)	13	%	ASTM D638
Flexural Modulus - 1% Secant ¹ (Injection Molded)	1380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ²	69	J/m	ASTM D256A
NOTE			
1.	1.3 mm/min		
2.	Test Made on injection molded Type 1 tension test specimen according to ASTM D2146		

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

