

Hostalen PP H5416K

Polypropylene Random Copolymer

PolyMirae

Message:

Hostalen PP H5416K is a natural, nucleated polypropylene random copolymer with high melt viscosity for extrusion. The product has a high heat and extraction stability. Hostalen PP H5416K resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact. It is not intended for medical and pharmaceutical applications.

General Information			
Features	Extraction Resistant		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Heat Aging Resistance		
	Good Processability		
	High Heat Resistance		
	High Impact Resistance		
	High Stiffness		
	High Viscosity		
	Random Copolymer		
Uses	Piping		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
230°C/2.16 kg	0.30	g/10 min	
230°C/5.0 kg	1.3	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	800	MPa	ISO 527-2/1
Tensile Strength			
Yield	26.5	MPa	ASTM D638
Yield, 23°C	24.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield	10	%	ASTM D638
Yield, 23°C	10	%	ISO 527-2/50

Flexural Modulus	834	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	45	kJ/m ²	
0°C	No Break		
23°C	No Break		
Notched Izod Impact (23°C)	230	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	83.0	°C	ASTM D648
0.45 MPa, Unannealed	65.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	123	°C	ASTM D1525
--	125	°C	ISO 306/A50

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

