

Kuraray Genestar®, N1006D-H31 Nylon

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Standard unreinforced extrusion grade. Main Features: Chemical resistance Long term heat resistance Example of applications: Tube applications

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-Genestar-N1006D-H31-Nylon.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Water Absorption	0.25 %	0.25 %	ISO 62
Linear Mold Shrinkage, Flow	0.017 cm/cm	0.017 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.017 cm/cm	0.017 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ISO 527-1/-2
Elongation at Break	40 %	40 %	ISO 527-1/-2
Elongation at Yield	7.0 %	7.0 %	ISO 527-1/-2
Tensile Modulus	1.44 GPa	209 ksi	ISO 527-1/-2
Flexural Strength	60.0 MPa	8700 psi	ISO 178
Flexural Modulus	1.40 GPa	203 ksi	ISO 178
Charpy Impact, Notched	2.50 J/cm ²	11.9 ft-lb/in ²	ISO 179/1eA
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	NB	NB	ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Coefficient of Friction	0.15	0.15	ISO JIS K7218-A
K Factor (Wear Factor)	180	180	[mg]
Limiting Pressure Velocity	0.740 MPa-m/sec	21100 psi-ft/min	

Thermal Properties	Metric	English	Comments
Melting Point	264 Â°C	507 Â°F	10Â°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	105 Â°C	221 Â°F	ISO 75-1/-2
Glass Transition Temp, Tg	125 Â°C	257 Â°F	10Â°C/min; ISO 11357-1/-2

Descriptive Properties	Value	Comments
Applications	Automotive	
	General Purpose	
Chemical Resistance	Acid Resistance	
	Alkali Resistance	
	Environmental Stress Crack Resistance	
	General Chemical Resistance	
	Grease Resistance	
	Hydrolytically Stable	
	Oil Resistance	
	Solvent Resistance	
Delivery Form	Black	
Other Features	Barrier Properties	
	Melt Strength	
	Thermal Stability	
	Weldable	
Processing	Blow Molding	
	Film Extrusion	
	Injection Molding	
	Pipe/Tube Extrusion	
	Thermoforming	
Regional Availability	Asia Pacific	
	Europe	

Descriptive Properties	Value	Comments
	North America	
	South and Central America	
Special Characteristics	Heat Stabilized or Stable to Heat	
	High Impact or Impact Modified	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China