

Kuraray Genestar[®],ç TA104 Nylon

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Reinforced injection grade. Main Features: High reflectivity, Less color change by heat and light, High reliability. Example of applications: LED reflectors

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kuraray-Genestar-TA104-Nylon.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.61 g/cc	1.61 g/cc	
Linear Mold Shrinkage, Flow	0.012 cm/cm @Thickness 1.00 mm	0.012 in/in @Thickness 0.0394 in	
Linear Mold Shrinkage, Transverse	0.011 cm/cm @Thickness 1.00 mm	0.011 in/in @Thickness 0.0394 in	
Spiral Flow	5.40 cm @Load 750 kg, Temperature 320 Â°C	2.13 in @Load 1650 lb, Temperature 608 Â°F	0.5mm diameter

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ASTM D638
Elongation at Break	1.4 %	1.4 %	
Flexural Strength	83.0 MPa	12000 psi	ASTM D790
Flexural Modulus	4.50 GPa	653 ksi	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	192 Â°C	378 Â°F	ASTM D648
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257

Descriptive Properties	Value	Comments
Applications	LED Reflectors	

Descriptive Properties <i>Other Features</i>	Value <i>High reflectivity</i>	Comments
	High reliabaility	
	Less color change by heat and light	

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