

Malvern Minerals Nylon with Novakup[®] L-337 Silane-Treated Quartz Filler

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Product data demonstrates the effect of the Novakup[®] (lamellar quartz surface treated with A-1100) filler. A separate entry demonstrates the effect of untreated Novacite[®] filler in nylon. The specific nylon used is Huels Nylon 12 L-1901, granulated natural, L-809-0001-0718. Information provided by Malvern Minerals Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Malvern-Minerals-Nylon-with-Novakup-L-337-Silane-Treated-Quartz-Filler.php

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	44.1 MPa	6400 psi	after 16 hours in 50°C water
	44.8 MPa	6500 psi	initial
Elongation at Break	34.6 %	34.6 %	
Flexural Strength	68.3 MPa	9900 psi	after 16 hours in 50°C water
	77.9 MPa	11300 psi	initial
Flexural Modulus	1.45 GPa	210 ksi	after 16 hours in 50°C water
	1.93 GPa	280 ksi	initial
Izod Impact, Unnotched	11.9 J/cm	22.2 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	

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