

Qualchem Danamid FCP-40 Polyamide 6, 40% Carbon Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Filled with milled carbon fiber, antistatic and conductive Information provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danamid-FCP-40-Polyamide-6-40-Carbon-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	DIN 53479
Filler Content	40 %	40 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	50 mm/min; ISO 527-1,2
Elongation at Break	4.0 %	4.0 %	ISO 527-1,2
Charpy Impact Unnotched	3.50 J/cm ² @Temperature 23.0 °C	16.7 ft-lb/in ² @Temperature 73.4 °F	DIN 53453

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness 4.00 mm	HB @Thickness 0.157 in	MSZ 10383

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 ohm-cm	10000 ohm-cm	DIN 53482

Processing Properties	Metric	English	Comments
Moisture Content	1.5 - 1.8 %	1.5 - 1.8 %	DIN 53714

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