

Overview of materials for Nylon 66 Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 Fiber

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Nylon 66 Fiber". Each property range of values reported is minimum and maximum values of appropriate MatWeb entries. The comments report the average value, and number of data points used to calculate the average. The values are not necessarily typical of any specific grade, especially less common values and those that can be most affected by additives or processing methods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Overview-of-materials-for-Nylon-66-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.11 - 1.33 g/cc	0.0401 - 0.0480 lb/in ³	Average value: 1.19 g/cc Grade Count:7

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	455 - 558 MPa	66000 - 81000 psi	Average value: 508 MPa Grade Count:3
Elongation at Break	15.0 - 45.2 %	15.0 - 45.2 %	Average value: 29.3 % Grade Count:21
Elongation at Yield	3.50 - 13.0 %	3.50 - 13.0 %	Average value: 6.83 % Grade Count:9
Tenacity	0.265 - 0.574 N/tex	3.00 - 6.50 g/denier	Average value: 0.412 N/tex Grade Count:16

Thermal Properties	Metric	English	Comments
Melting Point	135 - 254 °C	275 - 489 °F	Average value: 237 °C Grade Count:17

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2000 - 210000 ohm-cm	2000 - 210000 ohm-cm	Average value: 38000 ohm-cm Grade Count:13

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