

DuPont™ Kevlar® 149 Fiber, diam. 12 μm

Category : Other Engineering Material , Composite Fibers , Polymer , Thermoset , Aramid

Material Notes:

Applications: armor, belts, hoses, composite structures, cable sheathing, gaskets, brake pads, clutch linings, friction pads, slot insulation, phase barrier insulation, interturn insulation. KEVLAR® is a DuPont registered trademark.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Kevlar-149-Fiber-diam-12-m.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	3450 MPa	500000 psi	
Modulus of Elasticity	179 GPa	26000 ksi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	425 °C	797 °F	
Decomposition Temperature	500 °C	932 °F	

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