

AGY VeTron® Glass Fiber

Category : Ceramic , Glass , Glass Fiber , Oxide , Silicon Oxide , Other Engineering Material , Composite Fibers

Material Notes:

Launched 2002, for Vinyl Ester and Polyester resins. Binder is VE1 silane for Vinyl Esters. Acid resistant. Moderate alkali resistance. Information provided by AGY Holding Corp.

Order this product through the following link:

http://www.lookpolymers.com/polymer_AGY-VeTron-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	2.50 g/cc	0.0903 lb/in ³	
Water Absorption	0.00 %	0.00 %	
Loss On Ignition	0.50 %	0.50 %	
Filament Diameter	14 - 26 µm	14 - 26 µm	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	4500 MPa @Temperature 23.0 °C	653000 psi @Temperature 73.4 °F	
Elongation at Break	5.5 %	5.5 %	
Modulus of Elasticity	86.0 GPa	12500 ksi	
Poissons Ratio	0.22	0.22	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	825 °C	1520 °F	
Maximum Service Temperature, Inert	825 °C	1520 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.525	1.525	

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