

Hexcel® HexPly® M36/NC2 180°C (350°F) Curing Epoxy Matrix, Multiaxial Fabric Laminate (NC2)

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

Uses Hexcel NC2 non-crimp fabric based on Tenax HTS fiber; Quasi-isotropic lay-up based on 1072 gsm quadaxial NC2 fabric (267 gsm/ply); Laminates manufactured via resin film infusion Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-M36NC2-180C-350F-Curing-Epoxy-Matrix-Multiaxial-Fabric-Laminate-NC2.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	432 MPa	62700 psi	Open Hole TS
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	568 MPa	82400 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	52.0 GPa	7540 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Compressive Yield Strength	225 MPa	32600 psi	Compression strength after impact, 30J
	270 MPa	39200 psi	Compression strength after impact, 20J
	291 MPa	42200 psi	Compression strength after impact, 6J
	474 MPa	68700 psi	Open Hole
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	587 MPa	85100 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Shear Strength	39.0 MPa	5660 psi	Interlaminar shear
	@Temperature 100 °C	@Temperature 212 °F	
	45.0 MPa	6530 psi	Interlaminar shear
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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