

Hexcel® HexPly® EH04 Epoxy Resin System

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

HexPly® EH04 is a modified epoxy resin system specifically designed for bladder molding or sheet wrap tube applications. Unique chemistry provides full cured parts in only 3 minutes at 138°C. Applications: Golf shafts, Bicycle components, Hockey Sticks, Arrow shafts, Fishing rods

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-EH04-Epoxy-Resin-System.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	81.0 MPa	11700 psi	
Elongation at Yield	3.7 %	3.7 %	
Tensile Modulus	3.45 GPa	500 ksi	
Fracture Toughness	1.41 MPa-m ^{1/2}	1.28 ksi-in ^{1/2}	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	130 °C	266 °F	

Processing Properties	Metric	English	Comments
Gel Time	1.50 min	1.50 min	
	@Temperature 149 °C	@Temperature 300 °F	
	3.00 min	3.00 min	
	@Temperature 135 °C	@Temperature 275 °F	
	6.50 min	6.50 min	
	@Temperature 121 °C	@Temperature 250 °F	

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