

Hexcel® HexPly® 1454 125°C Curing Epoxy Matrix

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

HexPly® 1454 is a self-extinguishing epoxy resin system with very high self adhesion properties. It has good handling and is tolerant of a wide range of processing conditions. HexPly® 1454 is ideal for the fabrication of honeycomb sandwich structures when high peel strength and good impact properties are required. HexPly® 1454 prepregs are only available with fabric reinforcements. Features: Controlled flow matrix, Good tack life, Very tacky, Self extinguishing, Self adhesive on honeycomb and foam, Suitable for a range of pressure (0.8 to 5 bar), Versatile cure cycle 100-150°C, Good impact resistance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-1454-125C-Curing-Epoxy-Matrix.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	Cured resin density

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	ISO R527 Type 1
Elongation at Yield	3.3 %	3.3 %	ISO R527 Type 1
Tensile Modulus	3.06 GPa	444 ksi	ISO R527 Type 1

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	110 - 120 °C	230 - 248 °F	DMA

Processing Properties	Metric	English	Comments
Shelf Life	18.0 Month @Temperature -18.0 °C	18.0 Month @Temperature -0.400 °F	

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