

Product Information

HIFLEX HT EPOXY GLASS COMPOSITE

Description

Hiflex HT is an epoxy glass composite designed for mechanical and electrical applications at elevated temperatures. (long term exposure at 120°C, Short Term exposure at 150°C)

Property	Spring	Test Method ASTM	
Glass Fibres @ 0° angle	85%		
@ 90° angle	15%		
Flexural Strength	<u>21°C</u>	<u>120°C</u>	D-790
@ 0° stress angle	948 MPa	655 MPa	16/1 Span :
@ 90° Stress angle	380 MPa	580 MPa	Depth Ratio
Flexural Modulus			
@ 0° stress angle	29 GPa		
@ 90° Stress angle	17 GPa		
Tensile Strength			D-638
@ 0° stress angle	780 MPa		Type II necked (4mm)
@ 90° Stress angle	155 MPa		Type I straight sides
Tensile Modulus			
@ 0° stress angle	32 GPa		
@ 90° Stress angle	13 GPa		
Compression Strength Edgewise			D-3410
@ 0° stress angle	630 MPa		
@ 90° Stress angle	422 MPa		
Compression Modulus			
@ 0° stress angle	35 GPa		
@ 90° Stress angle	15 GPa		

THICKNESS		ORIENTATION		
mm	inches	Ply	Spring	Crossply
3.30	0.13	13	√	
4.83	0.19	19	√	
6.35	0.25	25	√	

Note that other thickness can be made available with production lead times .

Also check for minimum order quantities for non stock thickness.