

Technical Data Sheet

Glastic® FHT

Typical characteristics

- Altamente flexible
- Excelente rigidez dieléctrica
- Alta resistencia al calor

Typical industries

- Generadores y motores
- Transformadores en seco
- Sector eléctrico
- Componentes de aislamiento eléctrico
- Sistemas de conmutación
- Transformadores

	Test method	Unit	Guideline value
General properties			
Part Number			1800
Standard Color			Natural/Cream
UL Temperature Index - Electrical	UL 746B	°C	190 (1/32"), 200 (1/16")
UL Temperature Index - Mechanical	UL 746B	°C	190 (1/32"), 200 (1/16")
UL Recognition File Number			E81928
Mechanical properties			
Compressive Strength	ASTM D 695	psi	14,000
Tensile Strength	ASTM D 638	psi	10,500
IZOD Impact Strength (notched)	ASTM D 256	ft. lb./in.	10
Thermal properties			
Coefficient of Thermal Expansion	ASTM D 696	(in./in.°C) x 10 ⁻⁵	2
Thermal Conductivity	ASTM C 177		1.7
Flame resistance properties			
UL Subject 94	UL 94		HB
UL Hot Wire Ignition	UL 746A	sec.	49 (0.028"), 102 (0.058")
UL High Amp Ignition	UL 746A		200+
Oxygen Index	ASTM D 2863	%O ₂	21.8
Physical properties			
Water Absorption	ASTM D 570	% by wt.	1.1



	Test method	Unit	Guideline value
Specific Gravity	ASTM D 792		1.6
Dielectrical properties			
Electrical Strength - Perpendicular S/T in Air	ASTM D 149	Vpm	450
Electrical Strength - Perpendicular S/T in Oil	ASTM D 149	Vpm	570
Electrical Strength - Parallel S/S in Oil	ASTM D 149	kV	60
Arc Resistance	ASTM D 495	sec.	139
IEC Track Resistance (CTI)	UL 746A	V	500+
Permittivity, 60 Hz	ASTM D 150		6.4
Dissipation Factor, 60 Hz	ASTM D 150		0.07
Dissipation Factor, MHz	ASTM D 150		0.033
Permittivity, MHz	ASTM D 150		4.2

All of the information, suggestions, and recommendations pertaining to the properties and uses of the Röchling Glastic Composites products described herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. THERE IS NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Under no circumstances shall we be liable for incidental or consequential loss or damage. Glastic® is a registered trademark of Röchling Glastic Composites. UL® is a registered trademark of Underwriters Laboratories, Inc.

Röchling Industrial Cleveland, LP

4321 Glenridge Road • 44121 Cleveland/United States (US) • Tel. +1 216 486-0100
 info@glastic.com • www.roechling.com/cleveland

Print: 12/05/2024 • Release: 20/09/2023 • Version: 1.0
 PIM-Version: 52 • PIM-ID: 715312 • PIM-Code: 52-23-6.6.6-3.4.11.5.6.4-6

