Technisches Datenblatt

Glastic® FHT

Typische Eigenschaften

- Highly Flexible
- Excellent Dielectric Strength
- High Heat Resistance

Typische Industrien

- Generatoren und Motoren
- Trockentransformatoren
- Elektroindustrie
- Elektrische Isolierbauteile
- Schaltanlagen
- Transformatoren

	Testverfahren	Einheit	Wert
Allgemeine Eigenschaften			
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
Mechanische Eigenschaften			
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
Thermische Eigenschaften			
Coefficient of Thermal Expansion	ASTM D 696	(in./in.°C) x 10-5	2
Wärmeleitfähigkeit	ASTM C 177		1.7
Flamm Eigenschaften			
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
Physikalische Eigenschaften			
Water Absorption	ASTM D 570	% by wt.	1.1

Roechling 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

	Testverfahren	Einheit	Wert
Specific Gravity	ASTM D 792		1.6
Dielektrische Eigenschaften			
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

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