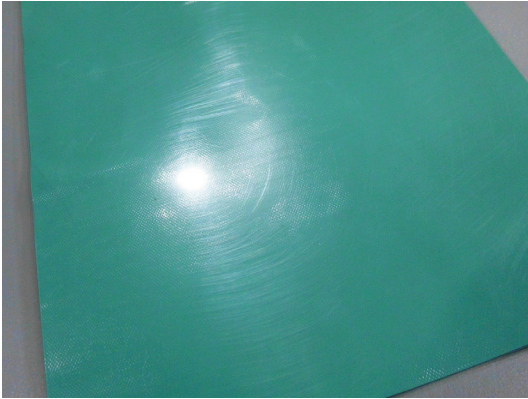


GT20

High Thermal Conductivity Glassfiber Reinforcement



Features

- Smooth surface & low thermal contact resistance
- Exceptional thermal performance at lower application pressures (20psi~400psi)
- Usable over a wide temperature range
- Simplified processing and reduced operating costs
- Complies with UL standards

Properties

Property	GT20	Unit	Test Method
Colour	Green	-	Visual
Reinforcement	Fiberglass	-	-
Thickness	0.23	(mm)	-
Op. Temp. Range	-45 to 180	°C	-
Density	2.52	g/cm ³	ASTM D792
Thermal Conductivity	2	W/mK	ASTM D5470
Hardness	80	Shore A	ASTM D2240
Breakdown Voltage AC	4000	V	ASTM D149
Breakdown Voltage DC	6000	V	ASTM D149
Dielectric Constant	5.7	1000 Hz	ASTM D150
Thermal Impedance		°C in ² /W	
t=0.23mm 20psi	0.60	psi	ASTM D5470
t=0.23mm 50psi	0.43	psi	ASTM D5470
t=0.23mm 100psi	0.35	psi	ASTM D5470
t=0.23mm 200psi	0.32	psi	ASTM D5470
t=0.23mm 400psi	0.30	psi	ASTM D5470
TML	< 0.2 %	%	ASTM E595
Tensile Strength	200	psi	ASTM D412
Elongation	60	%	ASTM D412
UL Flammability	V-0	-	UL 94

Limited Warranty

High Thermal Conductivity Glassfiber Reinforcement is guaranteed against detachment, under normal use, for 5 years from the purchase date.

User shall be solely responsible for determining the suitability of TIM for the intended use, and the user assumes all risks and liabilities whatsoever in connection there with. Neither seller nor manufacturer shall be liable either in tort or in contract for any loss damage, including loss of profits or revenue arising out of the use or the inability to use a product.