

TGF30

Leader Tech's TGF30 are widely used in high-end electronic industries such as high sensitivity detectors and high-definition cameras. It provides good insulation, excellent resistance to aging, high flexibility and good self-adhesive.

Features:

- Low thermal impedance
- Works well under low pressure
- Excellent compression performance
- High strength and elasticity.

Applications:

- Optoelectronic Industry
- Household appliances
- Vehicle industry
- Wireless communication hardware products

Storage Conditions:

- Store in the darkness
- Storage Temperature: $\leq 30^{\circ}\text{C}$
- Storage Humidity: $\leq 70\%$
- When stacking the parts, the parts should not be higher than 7 layers or more than 1mm

Shelf Life:

- Stored at storage conditions: Two years
- Stored in unqualified storage conditions: 6 months

Properties:

Item	Parameter	Unit	Test Method
Color	Blue	-	Visual
Thickness	0.3 ~ 18	mm	ASTM D374
Hardness	15~75(±10)	Shore 00	ASTM D2240
Density	3.01(±0.5)	g/cc	ASTM D792
Tensile Strength	≥0.15	Mpa	ASTM D412
Elongation	≥60	%	ASTM D412
Compression Ratio	≥20(@50PSI)	%	ASTM D695
UL Certification	V-0, 5V	-	UL94
Operating Temperature	-50 ~ 180	°C	IEC 600068-2-14

Thermal Characteristics:

Thermal Conductivity	3.0 (±0.25)	W / m·K	ASTM D5470
Thermal Resistance	≤0.9(@20PSI/1mm)	°Cin ² /W	ASTM D5470

Electrical Properties:

Breakdown Voltage	≥8(@1mm)	KV	ASTM D149
Volume Resistivity	10 ¹⁰	Ω·cm	ASTM D257
Dielectric constant	2	@ 1Mhz	ASTM D150
Dielectric loss	≥0.1	@ 1Mhz	ASTM D150

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