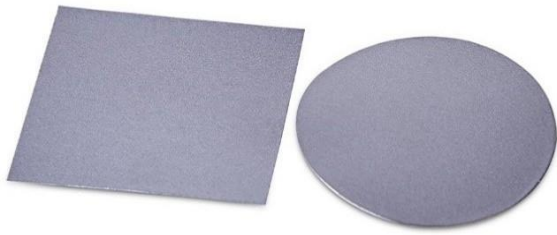


# Thermal Flexible Graphite Sheet

Version 2.090218



## Thermal Flexible Graphite Sheet

TGJGR17 is a flexible graphite sheet made from pure graphite with no fibers, binders or other additives. Flexible graphite gaskets offer excellent sealing capabilities under extreme conditions. Due to its versatility and flexibility, TGJGR17 is becoming the most popular fluid sealing material in use today. It is extensively used in the chemical, automotive and pump and valve industries.

## Features

- Asbestos-free and contains no fibers, binders or additives
- Impermeable to gases and liquids
- Suitable for service over a wide range of pressures and temperatures
- Resists thermal shock
- Excellent sealability
- Does not age, shrink or harden
- Seals easily under low to moderate bolt loads
- Highly chemical resistant

## Applications

- Automotive sealing
- Thermal and electromechanical applications
- Heat and chemical resistant gaskets

## Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Property Method		TGJGR17	Unit	Tolerance Test	
Thickness		0.017	mm	± 10%	-
Thermal Conductivity	Horizontal axis	1500 - 1800	W/mK	-	ASTM D5470
	Vertical axis	15	W/mK	-	ASTM D5470
Thermal Diffusivity		9 - 10	cm/s	-	ASTM E1461
Density		2.1	g/cm <sup>3</sup>	-	ASTM D4052
Specific Heat		0.85	J/gK	-	ASTM E1269
Heat Deformation Temperature		400	°C	-	ASTM D648
Tensile Strength	Horizontal axis	45	MPa	-	ASTM D412
	Vertical axis	0.1	MPa	-	ASTM D412
Flexural Strength		10,000 or more	R5/180 times	-	ASTM C1161
Electrical Conductivity		20,000	S/cm	-	ASTM E1004
Shelf Life		36	months	-	-

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