

596G High Temp Gasket Sheet Vermiculite with Ceramic fiber with .008" steel core

CONSTRUCTION

Style **596G** is a non-asbestos compressed sheet gasket material of vermiculite with ceramic fibers bonded with nitrile rubber and mechanically bonded on each side of an .008" electrolytic tin plated, low carbon steel core. The color is light brown.

APPLICATION / SERVICE

Style **596G** is a very good high temperature gasket material for hot gas applications in exhaust manifolds, catalytic converter gaskets, EGR gaskets, heat shields and diesel exhaust gaskets.

Temperature rating

1000°C (1800°F)

PRODUCT DATA	CT DATA VALUES		TEST METHOD
	<u>Spec</u>	<u>Typical</u>	
Compression: @ 34.5MPa (5000 psi)	25 - 40%	40%	ASTM F-806
Recovery, min: @ 34.5MPa (5000 psi)	30% min	34%	ASTM F-806
Ignition Loss: 1 hr @ 815°C (1500°F)	30% max	27%	ASTM G-495
Air aging: 70hrs @ 540°C (1000°F)			ASTM D-573
Thickness loss	0 - 10%	6%	
Weight loss	20% max	11%	
Fluid Immersions (22 hr @75-85° F)			
Fluid Resistance in ASTM fuel B			ASTM F-146
Thickness Change:	10-20% max	15%	
Weight Change:	50% max	45%	
Fluid Resistance in ASTM IRM903 Oil			ASTM F-146
Thickness Change:	10-20% max	12%	
Weight Change:	70% max	58%	

Available Sheet Sizes:	
Thicknesses:	0.060" (1.5mm), 0.080" (2.0mm)
Sheet Sizes:	24" x 39.4"

The above values are typical properties and are provided for information only. They should not be used to set specification requirements. It is up to the end user to determine whether the material is suitable for the intended application.