GARDICO INCORPORATED

596B
Non-Asbestos Gasket Sheet
Synthetic fiber/ Nitrile Binder
with .008" steel core

CONSTRUCTION

Style **596B** is a non-asbestos compressed sheet gasket material of synthetic fibers bonded with nitrile rubber and mechanically bonded on each side of an .008" electrolytic tin plate steel core. The color is dark gray .

APPLICATION / SERVICE

Style **596B** is a very good high temperature gasket material that has numerous applications in exhaust manifolds, carburetor gaskets, EGR gaskets and heat shields.

Temperature rating **649ºC (1200ºF)**

PRODUCT DATA	VALUES		TEST METHOD
	Spec	**Typical**	
Compression: @ 34.5MPa (5000 psi)	25 - 40%	32%	ASTM F-806
Recovery, min: @ 34.5MPa (5000 psi)	30% min	33%	ASTM F-806
Creep Relaxation: 22 hr @ 100ºC (212ºF)	40-60%	46%	ASTM F-38
Ignition Loss: 1 hr @ 815ºC (1500ºF)	30% max	21%	ASTM G-495
Air aging: 70hrs @ 540ºC (1000ºF)			ASTM D-573
Thickness loss	0 - 10%	3%	
Weight loss	10% max	8%	
Fluid Immersions (22 hr @75-85º F)			
Fluid Resistance in ASTM fuel B			ASTM F-146
Thickness Change:	0-10% max	1%	
Weight Change:	20% max	15%	
Fluid Resistance in ASTM IRM903 Oil			ASTM F-146
Thickness Change:	0-10% max	1%	
Weight Change:	20% max	15%	
Fluid Resistance Distilled Water:			ASTM F-146
Thickness Change:	0-10% max	1%	
Weight Change:	10% max	7%	

Available Sheet Sizes:

Thicknesses:	0.060", 0.120"
Sheet Sizes:	24" x 39.4", 30" x 60"

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.

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