

MATERIAL CROSSOVER | COMPARISON

Compressed Fiber Reinforced Gasket Material

Fiber : Binder : Insert	KLINGERSIL®	Garlock	Durabla	Leader	Teadit	Flexitallic
A : NBR	C-4201					SF-1630
A : NBR	C-4300	2900, 2950	7900, 7925, 7950, 8500	978-C, NA-59, NA-60, 1078, 940	NA 1001	SF-2401
A/F : NBR	C-4324		8400		NA 1081	SF-3500
A : NBR	C-4401	3000/3001				
F//A : NBR	C-4430 (F)	IFG 5500 (I)		978 (F)	NA 1090 (I)	SF-3300
I/F/A : NBR	C-4433	ST-706				
A/C/G : NBR/SBR	C-4500 (NBR)	9850/9900 (NBR), 9800 (SBR)	8300		NA 1100, NA 1092	SF-5000
A : CR	C-5400	3300	8700	976	NA 1076	
A : SBR	C-6400	3200 3400	8600	961, 960	NA 1080	
A : EPDM	C-7400	3700		986A		
F : CSM	C-8200				NA 1085	
A : SBR/NBR/CR	C-6327 (SBR)	3750 3760				
I/F/A : NBR : Exp	C-4439					
C : NBR : Exp	C-4509					
A : NBR : Exp	C-4409					
A : NBR : Wire	C-4408				NA 1000M	
P : HNBR	Quantum					
S : NBR/HNBR	top-sil ML1					

Fibers

A: Aramid
C: Carbon
F: Fiberglass
G: Graphite
I: Inorganic
S: Synthetic
P: Proprietary

Rubber Binders

NBR: Nitrile Butadiene Rubber
CR: Polychloroprene (Neoprene)
SBR: Styrene Butadiene Rubber
EPDM: Ethylene Propylene Diene Monomer
CSM: Chlorosulfonated Polyethylene (Hypalon)
HNBR: Hydrogenated Nitrile Butadiene Rubber

Inserts

Wire: Wire
Exp : Expanded Metal

Graphite Sheet Gasket Material

Type	KLINGER Graphite	SGL Sigraflex	Garlock Graph-Lock	GrafTech Grafoil	Teadit
Homogenous	HL	B	3123, 3125	GTB	2660/1660
316 SS Foil Insert	SLS	BSSC	3125SS	GHR	2661/1661
316 SS Tang Core	PSM	BTCSS	3125TC	GHE	2663/1663
Multi-Layer 316 SS inserts	MLX	Hochdruck	3128		GR 1700

PTFE Gasket Material

Filler	KLINGER	Inertech	Garlock	Teadit	W.L. Gore	Flexitallic	Durabla
Silicon Carbide (SiC)	top-chem 2000						
Glass	top-chem 2003		Gylon 3504	Tealon 1570		500	9000, 9000N
Silica	top-chem 2005		Gylon 3500	Tealon 1590		511	
Barium Sulfate (BaS)	top-chem 2006		Gylon 3510	Tealon 1580		533	9200W
Expanded/ Microcellular Sheet	Soft-Chem	SQ-S	Gylon 3540, 3545	24SH	GR	588	9600
ePTFE Joint Sealant	Sealex	UHF	Gylon 3535	24B	GORE Joint Sealant	Fluorseal	

Note: Information provided is supplied for reference only and compares general characteristics of each material. Materials may not be a direct equivalent but rather a comparable replacement with similar composition and specifications. Material colors have no direct effect on performance. KLINGER materials are branded with material style for positive identification. Always refer to respective material properties and performance values. For further assistance, call KLINGER Thermoseal technical service at 800-990-7325.

The ability of a gasket to make and maintain a seal depends not only on the style and quality of the gasket material, but also on medium being sealed, the flange design, the amount of pressure applied to the gasket by the bolts and how the gasket is assembled onto the flanges and tightened. These factors are beyond the manufacturer's control.

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