

MATERIAL SPECIFICATIONS

Type E and F Gasket Materials	Temp. Limits	Dielectric V/mil	Water Absorption
Aramid Fiber (Green Sheet)	750°F	300	-
CE Grade Phenolic	225°F (-100°F)	400-500	1.10%
G-10 Epoxy/Glass	250°F (-200°F)	500	0.02%
G-11 Epoxy/Glass	300°F (-200°F)	500	0.10%
XX Grade Phenolic	175°F (-50°F)	500	0.02%
Nitrile Faced Phenolic (Rubber Clad)	175°F (-40°F)	500	0.02%
HTG-3 Phenolic/Glass (600°F Short Time)	450°F	600	0.15%
Garlock Bluegard 3400	700°F	630	-
Klinger C-4401	750°F	300	-
25% Glass Filled Teflon	500°F	235	-

Type D RTJ Gasket Materials	Temp. Limits	Dielectric V/mil	Water Absorption
CE Grade Phenolic	225°F (-100°F)	500	1.10%
G-10 Epoxy/Glass	250°F (-200°F)	500	0.02%
HTG-3 Phenolic/Glass (600°F Short Time)	450°F	600	0.15%
25% Glass Filled Teflon	500°F	235	-

Sleeve Material	Temp. Limits	Dielectric V/mil	Water Absorption
Polythylene	180°F	450	0.01%
Mylar	350°F	4000	0.22%
Phenolic	250°F (-100°F)	500	1.10%
Minlon (Sleeve and Washer)	300°F	450	0.90%
Nomex	425°F	690	10%/humidity
G-10 Epoxy/Glass	250°F (-200°F)	500	0.02%
PTFE	Cryo-500°F	1400	-

Washers Material	Compressive Strength	Temp. Limits	Dielectric V/mil	Water Absorption
CE Grade Phenolic	39000 PSI	225°F (-100°F)	400-500	1.10%
G-10 Epoxy/Glass	60000 PSI	250°F (-200°F)	500	0.02%
G-11 Epoxy/Glass	75000 PSI	300°F (-200°F)	500	0.10%
HTG-3 Phenolic/Glass (600°F Short Time)	60000 PSI	450°F	600	0.15%
Minlon*	4500 PSI	300°F	450	0.90%

* Minlon molded combination (sleeve and washer) are not recommended for flange ratings above ANSI 150# and should not be used in critical applications.

* G-10 insulating washers are recommended for flange ratings 600# and above.

All technical advise and recommendation are rendered by Seller free of charge. While based on data believed to be reliable, seller assumes no responsibility.