

PENBERTHY

general information

Section 100
 Common gaskets 118
 Issued 04/17/09
 Replaces New

Common Penberthy (TV&C - Prophetstown) Gasket Materials

<u>Common Name</u>	<u>Composition</u>	<u>Shelf Life</u>
Teflon [®]	PTFE, FEP, PFA, 25% or 30% glass fill PTFE	indefinite
Buna N	NBR	3 years
Viton [®]	FKM - fluorinated elastomer	6 years
Neoprene [®]	Chloroprene	3 years
Grafoil [®] GH [™] P	Graphite w/ polyester insert	indefinite > 40 years
Grafoil [®] GH [™] R	Graphite w/ STS insert	5 years
Grafoil [®] GH [™] B	Molded graphite	indefinite > 40 years
Nobestos [®] D7301	Fiber w/ SBR	2 years
PCTFE	Kel-F [®]	indefinite
Garlock [®] Blue-Gard 3000	Aramid fiber w/ NBR binder	3 years
Garlock [®] Blue-Gard 3200	Aramid fiber w/ SBR binder	2 years
Garlock [®] Blue-Gard 3300	Aramid fiber w/ Neoprene [®] binder	3 years
Garlock [®] Gylon 3500	PTFE w/ silica	indefinite
Garlock [®] Gylon 3504	PTFE w/ glass microspheres	indefinite
Garlock [®] Gylon 3510	PTFE w/ barium sulfate	indefinite
Garlock [®] Gylon 3545	Microcellular PTFE	indefinite
Garlock [®] Gylon 3565	PTFE w/ glass microspheres	indefinite
Garlock [®] Blue-Gard 3700	Aramid fiber w/ EPDM binder	3 years
Garlock [®] 5500	Inorganic fiber w/ NBR binder	3 years
Garlock [®] 9900	Graphite w/ nitrile binder	3 years
Klinger [®] top-chem 2000	PTFE w/ silicon carbide	indefinite
EPDM	Ethylene propylene diene M-class	3 years
Graph-A-Bond	Grafoil w/ Nobestos [®] D-7301	2 years
GTB FE	FKM w/ graphite	6 years
Klinger [®] sil C-4430	Fiberglass and aramid fibers w/ NBR binder	3 years
Klinger [®] sil C-6400	Synthetic fiber w/ SBR binder	2 years
Novatec 825F	Graphite w/ rubber binder	2 years

Storage is to be:

Temperature

for elastomers and fibrous 40° - 75°F [5° - 25°C]

for polymers 0° - 160°F [-18° - 70°C]

Minimize exposure to light, especially sunlight

Relative Humidity

30 to 75% non-condensing

Minimize air flow (retard oxidation)

Notes:

1. When gaskets are placed into use (under compressive load), potential service life exceeds storage life.
2. Our requirements are more stringent than specification ARP 5316 because sealing to glass requires better gasket surface quality than sealing two metallic entities (e.g.; flanges).

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