



Ameri-lon® Microcellular PTFE Gasketing

We have added S58 to our Ameri-lon line. S58 is a true equal to Gylon 3545. We are now offering several versions of microcellular (controlled microporosity) sheet including this version which has a layer of solid PTFE sheet running through its core. It is a biaxially oriented sheet. Compared to Expanded PTFE, microcellular is superior in control of cold flow / creep relaxation. Competing EPTFE sheet is also used as a filter media because it will allow gas to pass through it. With S58's PTFE rigid core, this can not happen. S58 has superior leakage control to EPTFE. .

Advantages

Tighter seal - The solid core stops the porosity issue.

A low bolt load is all that is required to effect a seal. Highly compressible PTFE outer layers seal well and are suitable for many non-metallic flanges

Compressible layers conform to surface irregularities, especially on warped, pitted or scratched flanges.

Rigid PTFE core acts as a seal/barrier from gas leakage. It also reduces cold flow and creep normally associated with common PTFE gaskets

It's clean, so it's good for Food Grade applications (**FDA approved**). It is also approved for **NSF** and **USDA** applications

0-14 pH range, making them compatible with 99% of chemicals. (Not compatible with molten Alkali and elemental fluorine.)



Density ASTM F 1315 (g/cm³) 1.3

Temperature operating range °F (°C) Minimum: -450 (-268)

Continuous Max: +500 (+260)-260/+260

Max operating pressure psig (Bbar) Maximum, psig (bar): 1200 (83)

P x T Max. (Thk 0.8 - 2.0 mm) psig x °F (Bar x °C) 1/32 and 1/16": 350,000 (12,000)

P x T Max. (Thk 3.0 mm) (Bar x °C) 250,000 (8,600)

Leakage DIN 3535-6 (mg*s⁻¹*m⁻¹) <0.002

Creep DIN 3535-6 (%) <26

Compression DIN 3535-6 (%) >44

Recovery DIN 3535-6 (%) >6.3

PH range 0-14

Availability

Thickness (mm) .75mm, 1mm, 2mm, 2.5mm, 3mm, 4mm, 6mm

Sheets size (mm) 59" x 59"

- Sheet sizes 59" x 59"
- Thicknesses 1/64", 1/32", 1/16", 1/8", 1/4" (nominal)
- Applications between **-450 F and +500 F** can be sealed using S58
- Rated to 1200 PSI
- Easy to cut
- 100 year expiration date. - It can be stored indefinitely !