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Ultimate Sealing performance combined with excellent chemical resistance

Sureline S58 is developed for a broad variety of applications from cryogenic temperatures up to +260 °C and is chemical resistant for a range media within PH values from 0 - 14.

Sureline 58 has a low creep factor and is especially suitable for low torque applications. The material is processed and controlled to obtain a unique micro cellular structure with solid PTFE core. Sureline S58 is soft and suitable for irregular surface as well as to compensate flange deviations. Gaskets manufactured out of Sureline S58 are perfect to replace traditionally used PTFE envelope gaskets.

Gasket characteristics

▪ Material	100% PTFE with cellular structure and rigid central PTFE core,
▪ Colour	White
▪ Density ASTM F1315	1,3 (gr/cm ³)
▪ Operating pressure:	max. 80 bar
▪ Operating temperature:	- 260/+260 °C
▪ Approvals	FDA conform to CFR 21 177.1550

▪ P x T Max. (Thk 0.8 - 2.0 mm) – 12000 (Bar x °C)
▪ P x T Max. (Thk 3.0 mm) - 8500 (Bar x °C)
▪ Leakage DIN 3535-6 - <0,002 (mg*s-1*m-1)
▪ Creep DIN 3535-6 - <26%
▪ Compression DIN 3535-6 - >44 %
▪ Recovery DIN 3535-6 - >6 %

Chemical Resistance

PH range	0-14
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Sizes

Availability sheets 1500 x 1500 mm / 1750 x 1750 mm Tolerances sheet dimensions +/- 50 mm
Thickness (mm) 0,75/1,0/2,0/2,5/3,0/4,0/5,0/6,0 mm Tolerances thickness +/- 10%