



| Bidirectional PTFE                   | Sichem S58                                                                    |
|--------------------------------------|-------------------------------------------------------------------------------|
| <b>Composition</b>                   | Microcellular Modified PTFE layers with Pure modified PTFE core               |
| <b>Density ASTM F 1315</b>           | 1.3 g/cm <sup>3</sup>                                                         |
| <b>Minimum operating temperature</b> | -260 °C                                                                       |
| <b>Maximum operating temperature</b> | +260 °C                                                                       |
| <b>Max operating pressure</b>        | 80 bar                                                                        |
| <b>P x T Max. (Thk 0.8 - 2.0 mm)</b> | 12000 Bar x °C                                                                |
| <b>P x T Max. (Thk 3.0 mm)</b>       | 8500 Bar x °C                                                                 |
| <b>Leakage DIN 3535-6</b>            | <0.002 mg*s-1*m-1                                                             |
| <b>Creep relaxation DIN 3535-6</b>   | <26 %                                                                         |
| <b>Compression DIN 3535-6</b>        | >44 %                                                                         |
| <b>Recovery DIN 3535-6</b>           | >6.3 %                                                                        |
| <b>Minimum PH</b>                    | 0                                                                             |
| <b>Maximum PH</b>                    | 14                                                                            |
| <b>Available sheets size</b>         | 1.500x1.500 mm<br>1.750x1.750 mm                                              |
| <b>Available thickness</b>           | 0,75 mm<br>1,0 mm<br>2,0 mm<br>2,5 mm<br>3,0 mm<br>4,0 mm<br>5,0 mm<br>6,0 mm |
| <b>Sheet size tolerance</b>          | 50 mm                                                                         |
| <b>Thickness tolerance</b>           | 10 %                                                                          |



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