



COMPRESSED FIBER GASKETS PLANIFLEX™ PF41RG

Composition

Graphitized wire reinforced gasketing sheets with organic fibres and NBR binder.

Characteristics

Planiflex™ PF41RG can be applied continuously in the temperature range $-40^{\circ}\text{C} \div 120^{\circ}\text{C}$ and in the pressure ranges up to ratings 600 lbs and PN40. These gaskets show typical chemical compatibility in the middle of the pH range.

Tech Data

| Properties thickness 1,5 mm | Unit | Value |
|---|-------|-------|
| Binder | -- | NBR |
| Compressibility ASTM F 36 | % | 9 |
| Recovery ASTM F 36 | % | 60 |
| Tensile strength DIN 52910 | N/mm2 | 15 |
| Density +/- 5% | g/cm3 | 2,3 |
| Stress resistance DIN 52913 | | |
| 16 h, 300 °C, 50 N/mm2 | N/mm2 | -- |
| 16 h, 175 °C, 50 N/mm2 | N/mm2 | 20 |
| Thickness increase acc.to ASTM F 146 | | |
| Oil IRM 903, 5 h, 150 °C | % | 10 |
| ASTM Fuel B, 5 h, 23 °C | % | 10 |
| Distilled water. 5h. 100°C | % | 4 |
| Max. operating conditions | | |
| Peak temperature | °C | 180 |
| Continuous temperature | °C | 140 |
| Continuous temperature with steam | °C | 120 |
| Pressure | bar | 40 |

- Never use the product at its maximum rated temperature and pressure. Consult the manufacturer for further information.
- The peak temperature can be sustained only for short exposure periods.
- The dimensional tolerances of the gasketing sheets are: W and L $\pm 3.0\%$, H $\pm 10.0\%$.

| | | |
|-----------|--------------------------------|---------------------|
| Size | 1.500 x 1.500 1.500 x 3.000 | 60"x60" 60"x120" |
| Thickness | 0.8 \div 5.0 | 1/32" \div 7/32" |



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The Planiflex™ gasketing sheets are made with materials based on aramid fibers and NBR specially selected for meet high performance standards for a wide range of industrial applications. Planiflex™ gaskets are applicable for seal with vapors, lubricants, solvents, gases, steam and many diluted acids and alkalis and can be used as a gasket together with PTFE envelopes.



The information provided in this publication, as well as that supplied to users in other forms, is based on our experience and communicated according to the best knowledge available. However, since numerous factors beyond our knowledge and control may influence the use of the products, no warranty, explicit or implicit, is given regarding such content. The operating limits indicated do not constitute confirmation that these values can be applied simultaneously. Avoid using the product at the maximum temperature and pressure limits. The maximum temperature is sustainable only for short periods under specific conditions. Specifications may be changed without notice. The images in the DS may not exactly represent the product, its color and/or marking.



Carrara S.p.A.
Via Provinciale 1/E - 25030 Adro - BS - Italia
tel. +39 030 7451121 carrara.it - info@carrara.it