

Technical Data Sheet

TALBROS TNA 32CR GASKET JOINTING SHEET

Applications:

Gasket material for various highly different aggressive media and very good chemical resistance to acid & alkaline media.

General data:

Material Composition Aramid Fiber

(Type of fibres)

Binders CSM Elastomers

OPERATING CONDITION

Max. Peak Temp 400°C

Max. Continuous Temp 270°C

Max. Continuous Temp. With steam 240°C

Max. Operating Pressure 150 Kg/cm²

Physical Properties:

The following information applies to material thickness 2.0 mm.

| S. No | PROPERTIES | TEST METHOD | UNIT | SPECIFIED VALUE |
|-------|--------------------------------|-------------|---------|-----------------|
| 1. | Density | | gm/cm3 | 1.70~2.00 |
| 2. | Tensile Strength | | | |
| | ACC to ASTM F152(ACROSS GRAIN) | | N/mm2 | > 15 |
| | ACC to DIN52910 (ACROSS GRAIN) | | N/mm2 | > 10 |
| 3. | Compressibility | ASTM F36A | % | 5 – 15 |
| 4. | Recovery | ASTM F36A | % | > 50 |
| 5. | Fluid Absorption | ASTM F 146 | | |
| | (a) In ASTM OIL No. 3 | | | |
| | Increase in Mass | | % | |
| | Increase in Thickness | | % | |
| | (b) In Fuel B | ASTM F 146 | | |
| | Increase in Mass | | % | |
| | Increase in Thickness | | % | |
| | (c) In Water/Antifreeze | ASTM F 146 | | |
| | Increase in Mass | | % | < 12 |
| | Increase in Thickness | | % | < 5 |
| 6. | Ignition Loss | DIN 52911 | % | < 28 |
| 7. | Sealability Against Nitrogen | DIN 3535 | cm3/min | |
| 8. | Stress Resistance | | · | |
| | 16h 300° C | DIN 52913 | N/mm2 | |
| | 16h 175° C | DIN 52913 | N/mm2 | |

| Standard Sheet Size | | 1500x2000 mm, 1500x4000mm, 1500x1500mm 1500x4500 mm, 1500x3000mm, 2000x3000 mm |
|---------------------|-----------|---|
| Thickness | | 0.30 mm to 6.00 mm (For Non-Metallic Range) 0.80 mm to 6.00 mm (For Metallic Range) |
| Tolerance | Thickness | < 1mm = ± 0.10 mm > 1mm = ± 10% |
| | Length | ± 50 mm |
| | Width | ± 50 mm |

All data quoted above are based on years of experience in production & operation of sealing elements, in view of the wide variety of possible installation & operating conditions one cannot draw final conclusion in all application cases regarding the behavior in gasket joint. The data may not therefore, be used to support any warranty claims should you have any doubts about the choice of gasket material, please refer to us. Our engineering cell will be happy to assist you.