

Material datasheet

Material: PAS-PTFE INOX 50

mechanical characteristics

| Characteristic | Standard | Unit | Value |
|----------------------------------|---|--------------------------|-------|
| Tensile strength (+23°C, dry) | ISO 527-1/-2 DIN 53455 ASTM D 638 | MPa (N/mm ²) | 18 |
| Elongation at break (+23°C, dry) | ISO 527-1/-2 DIN 53455 ASTM D 638 | % | 200 |

thermal characteristics

| Characteristic | Standard | Unit | Value |
|---|-----------|---------------------|-------|
| min. Operating temperature (continuous) | | °C | -200 |
| max. service temperature (continuous) | | °C | 260 |
| max. service temperature (short-term) | | °C | 300 |
| Coefficient of linear thermal expansion (23 - 60°C) | ISO 11359 | 10 ⁻⁶ /K | 120 |

combustibility characteristics

| Characteristic | Standard | Unit | Value |
|-------------------|-----------------|-------|-------|
| UL94 flammability | IEC 60695-11-10 | class | V0 |

physical characteristics

| Characteristic | Standard | Unit | Value |
|------------------------|-------------------------------------|-------------------|-------|
| Density, Gross density | ISO 1183 DIN 53479 ASTM D 792 | g/cm ³ | 3.35 |