



Compound GPlast™ 300W Ultra Pure White (UG)
POLYMER TYPE: Perfluoroelastomer FFKM75 (+/-5°)

Physical Properties

| Property | Test Method | Units | Typical Values |
|-------------------------------------|-------------|-------------------|----------------|
| COLOUR | | | White |
| HARDNESS | ISO 48 | °IRHD | 70 |
| TENSILE STRENGTH | ISO 37 | MPa | 17.3 |
| MODULUS @ 100% | ISO 37 | MPa | 5.51 |
| ELONGATION @ BREAK | ISO 37 | % | 233 |
| TEAR STRENGTH | ISO 34 | N/mm | 13.3 |
| SPECIFIC GRAVITY | ISO 2781 | g/cm ³ | 2.41 |
| COMPRESSION SET VALUE IN AIR | | | |
| 25% STRAIN – 22HRS @ 204°C | ISO 815 | % | 18.7 |
| 25% STRAIN – 72HRS @ 204°C | ISO 815 | % | 23.3 |
| 25% STRAIN – 168HRS @ 204°C | ISO 815 | % | 31.1 |

Description

This white material provides excellent temperature resistance up to +300°C (+572°F) and has similar chemical resistance to that of PTFE but with elastomeric properties comparable to standard fluorocarbon rubbers. It has been formulated specifically for use in the semiconductor industry to offer low weight loss in oxygen and fluorine-based plasma with low outgassing. Along with all our GPlast™ range, this grade is suitable for use in a wide range of applications where other polymers are not suitable.

Since development and improvement of compounds is a continuing process, Gapi reserves the right to modify their composition and characteristics.
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