



(586) 948-9920 | [www.rapiddiecut.com](http://www.rapiddiecut.com)

## KLINGER tc-1005

KLINGER tc-1005 is a high quality, yet cost-effective biaxial oriented modified PTFE gasket material with silica. This material offers superior sealability, excellent torque retention and reduced creep relaxation. Gaskets from KLINGER tc-1005 are exceptionally effective when the reliability of a low deforming material is required.

Uses include most chemicals and all concentrations of sulfuric acid. This material also meets FDA conformity.

Basis: Modified PTFE material with silica.

### Typical Values

Pressure Limit	1235 psi
Temperature Range	-450F to 500F
Compressibility ASTM F36 M	7%
Recovery ASTM F36 M	45%
Liquid Leakage ASTM F37	< 0.30 ml/hr
Creep Relaxation ASTM F38	35%
Tensile ASTM F152	2320 psi
Density	137 lbs/ft <sup>3</sup>
Gas Leakage BS7531	< 0.005 mL/min
Dielectric Strength ASTM 149	20 kV/mm
Color	Fawn

The ability of a gasket to make and maintain a seal depends not only on the style and quality of the gasket material, but also on the medium being sealed, the flange design, the amount of pressure applied to the gasket by the bolts and how the gasket is assembled onto the flanges and tightened. These factors are beyond the manufacturer's control.