

PCTFE Specifications
(Polychlorotrifluoroethylene)

Grade: Daikin M400H

Physical properties:

- Specific gravity: 2.11-2.16 (ASTM D792)
- Crystallinity: 40% - 80%
- Color: Natural (Custom colors available upon request)

Mechanical properties:

- Tensile strength: 33.3-39.2(MPa) (ASTM D638)
- Elongation: 100-250 (ASTM D638)
- Flexural modulus of elasticity: $(1.2-1.4) \times 10^3$ (ASTM D 695)
- Hardness: D80
- Impact strength: 134-144 J/m (ASTM D256)
ZST 301-450 (ASTM D1430)
- Deformation under load 24 hrs/686N
 - 25 °C: less than or equal to 0.2%
 - 80 °C: 1.4-1.6%
 - 100 °C: 4.5-6.5%

Thermal properties:

- Melting point: 210-212 °C

PCTFE M400H contains no plasticizers, fillers or other additives. Formerly known as Kel-F®

Meets ASTM D1430

Lot to lot testing is available on the following:

- Bulk density
- Flow value
- Zero strength time