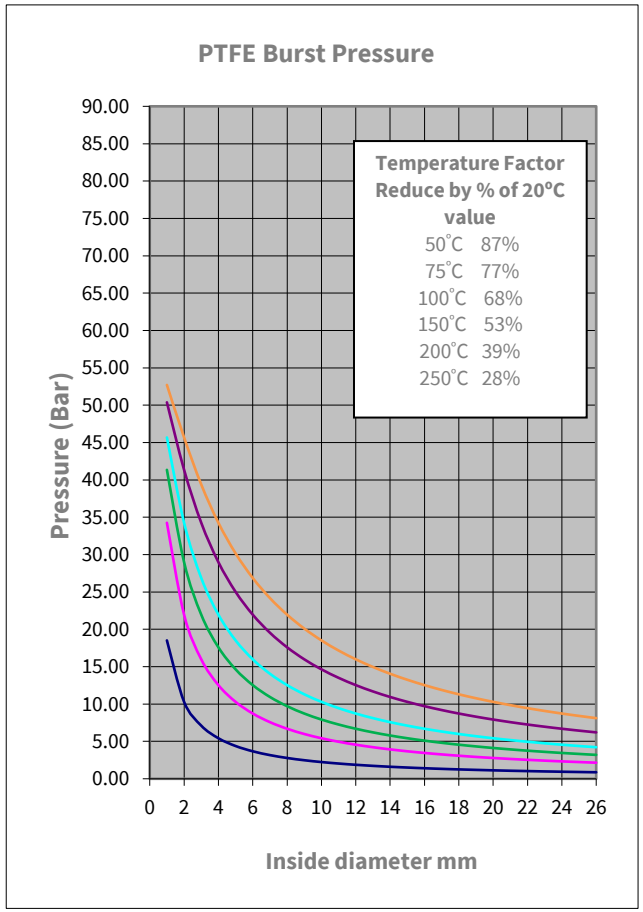
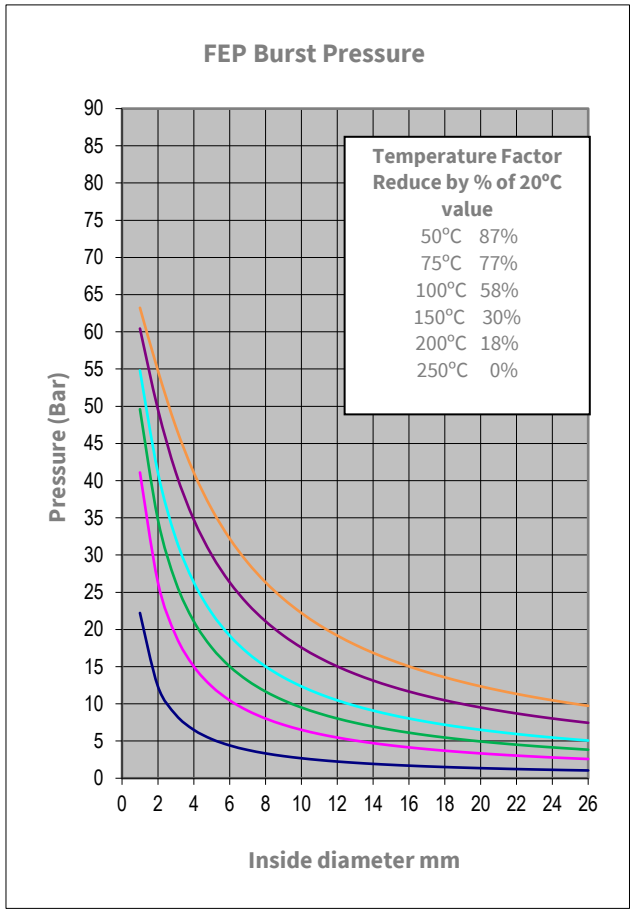
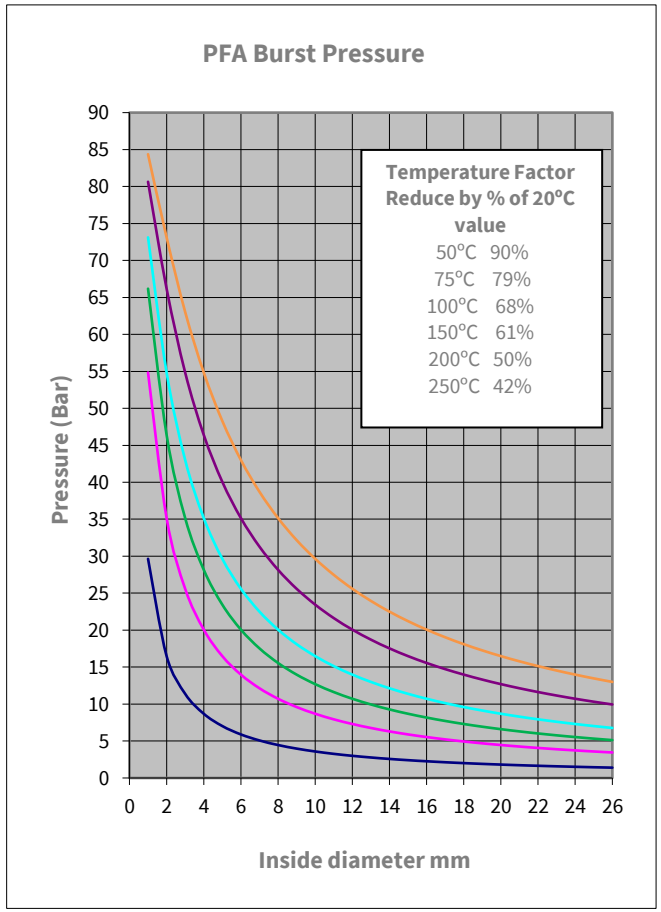
Theoretical Burst Pressures for PTFE, FEP & PFA Tubing

Wall 0.2mm | Wall 0.5mm | Wall 0.75mm | Wall 1.0mm | Wall 1.5mm | Wall 2.0mm

Theoretical working pressures are 20% of the burst pressure rating.







These graphs are constructed from theoretical data, based on the tensile strength of the raw polymer for values at 20 Degrees C and are for guidance only. The pressure that a tube will take also depends on the grade of polymer used and application environment. It is the responsibility of our customers to satisfy the suitability of tubing for themselves, for their own application.

To find the burst pressure at elevated temperatures you need to find the ambient rating for the tube you wish to use.

Then follow this equation: **Rating in Bar divided by 100 x % required.**

PTFE 6mm x 8mm @ 150°C = 15 bar divided by 100 x 53 % = 7.95 bar

Working pressure = 7.95 bar divided by 5 = 1.59 bar