



Teadit TEALON 1590 1.5 mm	
$G_b$	260 psi
a	0,351
$G_s$	6,3 psi
$T_{Pmin}$	1002
$T_{Pmax}$	27940
$S_{100}$	1308 psi
$S_{1000}$	2933 psi
$S_{3000}$	4312 psi
$S_{10000}$	6578 psi

Gasket constants are measured according to the room temperature tightness test (ROTT). The test procedure is documented in the proposed ASTM Draft No. 9 of the "Standard test method for gasket constants for bolted joint design".

In addition to the standard gasket constants  $G_b$ , a and  $G_s$ , the following parameters are measured:

**$T_{Pmax}/T_{Pmin}$ :**  $T_{Pmax}$  is the highest level of tightness achieved in the test. A high  $T_{Pmax}$  is favourable.  $T_{Pmin}$  is the lowest tightness found for a material in any part B (unload/reload) cycle. A high  $T_{Pmin}$  is also favourable.

**$S_{T_p}$ :** Gasket stress required to achieve a given  $T_p$  value. It is measured for  $T_p = 100, 1000, 3000$  and  $10000$ .

Technical laboratory:

Tightness Testing and Research Laboratory, Ecole Polytechnique Montreal