

ASME VIII m and Y Values for Klinger Soft-Cut Products

	<i>m</i>	<i>Y (MPa)</i>	<i>Y (psi)</i>
<i>Klingersil Grades</i>			
Thickness up to 2mm	2.75	25.5	3700
Thickness above 2mm	6.4	35.0	5000
<i>Graphite Laminates</i>			
SLS (1.5mm, 2.0mm, 3.0mm)	2	6	882
PSM 1.5mm	3	18	2610
PSM 2.0mm	2.5	10	1450
PSM 3.0mm	2	6	882
<i>Top-Chem Range</i>			
2000	5	20	2900
2003	2.8	10	1450
2005	4	15	2175
<i>Milam PSS</i>			
	3.0	30	4400
<i>Virgin PTFE</i>			
1/8" (3.2mm)	2.00	11.0	1600
1/16" (1.6mm)	2.75	25.5	3700
1/32" (0.8mm)	3.50	44.8	6500
<i>Compressed Asbestos Materials</i>			
1/32" (0.8mm)	3.5	44.8	6500
Up to 1/16" (1.6mm)	2.75	25.5	3700
1/16" (1.6mm) to 1/8" (3.2mm)	2	11	1600
<i>PTFE Envelope</i>			
	2.75	25.5	3700

Please Note:

1. The ASME VIII system is empirically based and there is no test method to derive 'm' and 'y' value for new materials.
2. These values represent our best estimate but in no way warranty is given or implied in respect of their use.

ASME VIII m And Y Values for Semi-Metallic and Metallic Gasket Types

	m	Y (MPa)	Y (psi)
Maxiprofile Type 109	2	17.2	2500
Type 108	2	17.2	2500
Spiral Wound Gasket	3	68.9	10000
Metal Clad Gaskets			
Aluminium	3.25	37.9	5500
Copper / Brass	3.5	44.8	6500
Iron / Soft Steel	3.75	52.4	7600
Monel	3.5	55.2	8000
4-6% Chrome	3.75	62.0	9000
Stainless Steels	3.75	62.0	9000
Grooved Metal			
Soft Aluminium	3.25	37.9	5500
Soft Copper / Brass	3.5	44.8	6500
Iron or Soft Steel	3.75	52.4	7600
Monel or 4-6% Chrome	3.75	62.0	9000
Stainless Steel	4.25	69.6	10100
Solid Flat Metal			
Soft Aluminium	4.0	60.7	8800
Soft Copper / Brass	4.75	89.6	13000
Iron or Soft Steel	5.5	124.1	18000
Monel or 4-6% Chrome	6.0	150.3	21800
Stainless Steel	6.5	179.3	26000
Ring Joint			
Iron or Soft Steel	5.5	124.1	18000
Monel or 4-6% Chrome	6.0	150.3	21800
Stainless Steels	6.5	179.3	26000

Please note, for those materials not listed in ANSI B16.5:

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