

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

Compressed fibre materials	THK	m	Y (Mpa)	Y (psi)
Top-Sil-ML1	2	3.5	15	2175
Klingersil C-4324	1	2.7	15	2175
	2	3	15	2175
	3	3.3	15	2175
Klingersil C-4400	1	3.2	20	2900
	2	3.5	20	2900
	3	3.9	20	2900
Klingersil C-4409	1	3.2	30	4351
	2	3.5	30	4351
Klingersil C-4430	1	4.5	25	3625
	2	5	25	3625
	3	5.5	25	3625
Klingersil C-4500	1	3.5	25	3625
	2	4	25	3625
	3	4.5	25	3625
Klingersil C-4509	1	3.5	30	4351
	2	4	30	4351
Klingersil C-8200	1	3.5	22.5	3263
	2	4	22.5	3263
	3	4.5	22.5	3263

Graphite Laminates				
SLS	All	2	6	870
PSM	1.5	3	18	2610
	2	2.5	10	1450
	3	2	6	870

Klinger TopCHEM and SoftCHEM				
TopCHEM 2000	2	3.5	10	1450
	3	5	12	1750
TopCHEM 2003	2	2.8	5	725
TopCHEM 2005	2	3.5	10	1450
SoftCHEM	All	2	5	725

Milam PSS	All	3	30	4400
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Virgin PTFE	0.8	2	11	1600
	1.6	2.75	25.5	3700
	3.2	3.5	44.8	6500

Compressed Asbestos	0.8	3.5	44.8	6500
	1.6	2.75	25.5	3700
	3.2	2	11	1600

PTFE Envelope	All	2.75	25.5	3700
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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

Maxiprofile	THK	m	Y (Mpa)	Y (psi)
109	All	2	17.2	2500
108	All	2	17.2	2500

Maxiflex	All	3	68.9	10000
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Maxigraph	All	3	34.5	5000
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Metal Clad				
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	9000
Stainless Steel		3.75	62	9000

Solid Flat Metal				
Soft Aluminium		4	60.7	8800
Soft Copper/Brass		4.75	89.6	13000
Iron/Soft Steel		5.5	124.1	18000
Monel or 4-6% Chrome		6	150.3	21800
Stainless Steel		6.5	179.3	26000

Grooved Metal				
Soft Aluminium		3.25	37.9	5500
Soft Copper/Brass		3.5	44.8	6500
Iron/Soft Steel		3.75	52.4	7600
Monel or 4-6% Chrome		3.75	62	900
Stainless Steel		4.25	69.6	10100

Ring Joint				
Iron/Soft Steel		5.5	124.1	18000
Monel or 4-6% Chrome		6	150.3	21800
Stainless Steel		6.5	179.3	26000

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

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