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To: Distribution

From: Applications  
Engineering

Re: M & Y Data for Distribution

**REVISED**

Date: December 22, 2011

Attached is the current M and Y data we have available on selected gasket products. The data is presented in English and International System (metric) units. Results are published with leak rates found at multiple M and/or Y values; data is available as a curve if needed. Nitrogen gas is the media, with a 1/2" wide ring gasket. Compared to the M and Y values for liquid service, these values are higher and, therefore, more conservative. The FSA **SA-G-605-11** test method was used.

M and Y data is to be used for flange design only as specified in the ASME Boiler and Pressure Vessel Code Division 1, Section VIII, Appendix 2. It is not meant to be used as a gasket seating stress value in actual service. Our bolt torque tables give that information and should be used as such.

If there are any questions please contact Applications Engineering.

g:\Ingasket\Applications Engineering\M&Y Factors\M&Y Values

**“M & Y” Factors**

Style	“m” (no units)	Leak rate (cc/min/OD inch)	“y”			Leak rate (cc/min/OD inch)
			psi	N/mm <sup>2</sup>	kgf/cm <sup>2</sup>	
4122 CMG <sup>(1)</sup>	5.2	4.1	1500	10.3	105	0.07
	10	1.0	6000	41.4	422	0.001
4122 KAMM <sup>(1)</sup>	5.2	2.5	1500	10.3	105	0.04
	10	0.6	5000	34.5	352	0.001
4122 FC 1/16”	5	22	3000	20.7	210	0.05
	10	18				
4122 FC 1/8”	5	33	2500	17.3	176	0.15
	10	13				

(1) Facing thickness is .023”