



SPECIFICATIONS

EXPANDED PTFE (SEALON) SHEET GASKET

SPECIFICATION	1/16" THICKNESS (1.5mm)	1/8" THICKNESS (3.0mm)
MATERIAL : 100% PTFE (POLYTETRAFLUOROETHYLENE) ULTRA-HIGH MOLECULAR WEIGHT FINE POWDER RESIN WITHOUT BINDERS & FILLERS	YES	YES
PROCESS : HIGHLY EXPANDED	YES	YES
COLOR :	WHITE	WHITE
ISO 9000 : ISO 9001:2000	YES	YES
IDENTIFICATION MAKING : SURFACE IMPRINTED WITH FDA ACCEPTABLE INK (RED)	YES	YES
SHEET SIZE :	60"x60"	60"x60"
THICKNESS TOLERANCE :	+/- 0.006"	+/- 0.010"
TEMPERATURE RANGE :	-450 to +600	-450 to +600
PRESSURE RANGE :	FULL VACUUM TO 3000 PSI	FULL VACUUM TO 3000 PSI
CHEMICAL COMPATIBILITY RANGE :	pH range 0-14	pH range 0-14
SPECIFIC GRAVITY : PER ASTM D 792	0.80 +/- 0.10	0.80 +/- 0.10
SEMASPEC 92010934B-STD AS TESTED BY BALAZS LAB (FOR ULTRA-PURE OR HIGH PURITY APPLICATIONS)	MEETS SPECIFICATION	MEETS SPECIFICATION
ASTM TESTING :	YES	YES
SEALABILITY : PER ASTM F-37-B		
FUEL A (ISOCTANE)	.00 ML/HR	.02 ML/HR
FUEL B (NITROGEN) @ 60 PSIG (ALSO REFERENCE ECOLE ROTT TESTING WITH HELIUM PER BELOW)	.16 ML/HR (1/32" THICKNESS)	N/A
COMPRESSIBILITY : PER ASTM F-36	69%	66%
RECOVERY : PER ASTM F-36	7%	12%
CREEP RELAXATION : PER ASTM F-38 (PLEASE REFERENCE HOT COMPRESSION TESTS NOTED BELOW)	38% (1/32" THICKNESS)	38% (1/32" THICKNESS)
TENSILE STRENGTH : PER ASTM F-152	1630 PSI	2106 PSI
MATRIX TENSILE	4221 PSI	5455 PSI
ELONGATION : PER ASTM F-152	162.3%	169.9%
TENSILE AT BREAK POINT :	2050 PSI	2632 PSI
FSA TESTING :	YES	YES
FSA HIGH PRESSURE STEAM TEST : (527 /275) @860 PSI FOR 561 HRS.	YES	YES
HOT COMPRESSION TEST : (527 /300)	PASS (.33% LOSS)	PASS (.49% LOSS)
HOT LOSS :	73.5%	70.9%
HOT CREEP :	13.9%	17.5%
MTI TESTING VIA ECOLE POLYTECHNIQUE UNIVERSITY OF MONTREAL	YES	YES
ROTT GASKET CONSTANTS :	YES	YES
"G _b "	1259 PSI	1416 PSI
"a"	.202	.189
"G _s "	3.58 PSI	.15 PSI
ROTT TIGHTNESS PARAMETERS : (TEST MEDIUM IS HELIUM)	YES	YES
@ S ₁₀₀ psi	3191	3387
@ S ₁₀₀₀ psi	5082	5238
@ S ₃₀₀₀ psi	6345	6450
@ S ₁₀₀₀₀ psi	8091	8101
T _P MAX. T _P MIN	3350,588	36630,2001
HOBT (HOT BLOW OUT TEST)	YES	YES
AT 435 PSI Test # 1, Test # 2	676 -.	628 -.
AT 750 PSI Test # 1, Test # 2	635 -.	609 -.
AT 1000 PSI Test # 1, Test # 2	632 -.	554 -.

The data listed here fall within the normal range of product properties as developed from field tests, independent testing and in-house testing but should not be used alone as the basis of design. YMT assumes no obligation or liability for any advice furnished herein or for results obtained with respect to the product(s). Buyer assumes sole responsibility for the results.