Garlock
SEALING TECHNOLOGIES®
an EnPro Industries company

Garlock GYLON® 3522

MATERIAL PROPERTIES*

Color:	Clear, translucent
Composition:	PTFE
Temperature[2,3], °F (°C)	
Continuous Max:	+500 (+260)
Pressure[2], Maximum, psig (bar):	800 (55)
Flammability:	Will Not Burn
Bacterial Growth:	Will Not Support
Meets Specification:	FDA (Food and Drug Administration) and USP (US Pharmacopeia)

PHYSICAL PROPERTIES*

ASTM F36	**Compressibility**, %:	20-25
ASTM F36	**Recovery**, %:	50
ASTM F38	**Creep Relaxation**, %:	35
ASTM F152	**Tensile**, X direction, psi (N/mm^2):	5000 (34.5)
ASTM F152	**Tensile**, Y direction, psi (N/mm^2):	5100 (35.2)
ASTM D1708	**Ultimate Elongation**, X direction, %:	500
ASTM D1708	**Ultimate Elongation**, Y direction, %:	520
ASTM D792	**Specific Gravity**:	2.19

SEALING CHARACTERISTICS*

ASTM D1434V	**Gas Permeability**, cc/M^2/24 hrs	10,000

Notes:

This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results in accordance with ASTM F-104; properties based on 1/32" (0.8mm) sheet thickness unless otherwise mentioned.

* Values do not constitute specification Limits

[2] Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum PxT, consult Garlock Applications Engineering.

[3] Due to the unique dynamics of actuated pumps, Garlock can not specify temperature limits for the Style 3522 materials when used as a diaphragm. In a diaphragm pump there are variables such as, but not limited to, diaphragm geometry, displacement, and pump speed that greatly affected the diaphragm performance. Experienced pump manufacturers have confirmed that pumps used in low and/or elevated service temperatures (40ºF to 200ºF) should be de-rated with respect to speed and pressure.