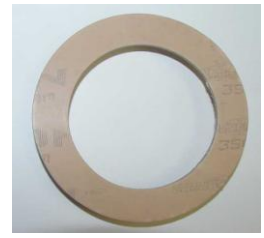
Garlock
SEALING TECHNOLOGIES®
an EnPro Industries company



Garlock FAWN GYLON® HP 3560

Metal Inserted GYLON

MATERIAL PROPERTIES*

Color:	Fawn
Composition:	PTFE with silica and a perforated 316L stainless steel insert
Fluid Services[1]:	Strong acids (except hydrofluoric), solvents, hydrocarbons, water, steam, chlorine and cryogenics
Temperature[2], °F (°C)	
Continuous Max:	+500 (+260)
Pressure[2], Maximum, psig (bar):	2500 (172)
P x T (max.)[2], psig x °F (bar x °C)	
1/32 and 1/16":	700,000 (25,000)
1/8":	450,000 (15,000)
Flammability:	Will Not Burn
Bacterial Growth:	Will Not Support

TYPICAL PHYSICAL PROPERTIES*

ASTM F36	**Compressibility**, %:	4-9[(3)]	
ASTM F36	**Recovery**, %:	45[(3)]	
ASTM F38	**Creep Relaxation**, %:	20[(3)]	
ASTM F152	**Tensile**, Across Grain, psi (N/mm^2):	5000 (34)[3]	
ASTM D1708	**Modulus @ 100% Elongation**, psi (N/mm^2):	N/A	
ASTM F433	**Thermal Conductivity (K)**, W/m°K (Btu.·in./hr.·ft.^{2}·°F):	0.36-0.45 (2.50-3.15)	
ASTM F586	**Design Factors**	1/16" & Under	1/8"
	"m" factor:	5.0	5.0
	"y" factor, psi (N/mm^2):	3500 (24.1)	4000 (27.6)
ASTM F104	**Line Call Out**:	F451999A9B4E99K6M6[(3,4)]	

SEALING CHARACTERISTICS*

	ASTM F37B Fuel A	DIN 3535- 4 Gas Permeability
Gasket Load, psi (N/mm2):	1000 (7)	4640 (32)
Internal Pressure, psig (bar):	9.8 (0.7)	580 (40)
Leakage	**0.02[(3)] ml/hr.**	**<0.015[(3)] cc/min**

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 1/16" (1.6mm) sheet thickness unless otherwise mentioned.

* Values do not constitute specification Limits

[1] See Garlock chemical resistance guide.

[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] Tested on 1/16" thick material.

[4] Tested on 1/16" material. Increase in IRM Oil #903 (fourth numeral 9 is thickness, fifth numeral 9 is weight): Thickness = 1.0% max, Weight = 2.0% max. Sixth numberal 9: % Increase in Water: Weight = 1.0% max. A9: Leakage in Fuel A (Isooctane), Gasket Load = 1,000psi (7.0N/mm2), Pressure = 9.8psig (0.7bar): Typical = 0.22ml/hr, Max = 1.0ml/hr. E99: % Increase in ASTM Fuel B: Weight: 2.0% max., Thickness: 1.0% max.