

The physical property values of Polycon[®] 01C

Properties	ASTM	Unit	Value
Tensile Strength	D4894	PSI [MPa]	5,150 [35.5]
Tensile Modulus	D4894	PSI [MPa]	87,000 [600]
Elongation	D4894	%	500
Compressive Strength	D695	PSI [MPa]	-
Compressive Modulus	D695	PSI [MPa]	-
Deformation Under Load ¹	D621	%	8
Hardness	D2240	Shore D	60
Specific Gravity	D792	-	2.17
Coefficient of Friction	-	-	.09

1. Deformation Under Load was tested at 2,000 psi for 24 hours.
2. All testing is performed at room temperature unless otherwise specified.

NOTE: The information contained herein are typical values which falls within the normal range of properties. All information are intended for reference and comparison purposes only as general guideline for use at user discretion. They should not be used as a basis for design specifications or quality control. Polymer Concepts do not guarantee any specific result and assume no obligation or liability for any advice furnished by it or for results obtained with respect to the products.

Material

- Modified PTFE

Features/Benefits

- Excellent chemical resistance
- Excellent electrical insulating properties
- Improved creep, extrusion, and wear resistance than Virgin PTFE
- Lower gas permeability than Virgin PTFE
- Denser, smoother, and lower porosity than Virgin PTFE
- Good cryogenic properties
- FDA approved

Working Temperature Range

- -450°F to +600°F
[-268°C to +316°C]

Color

- White

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