

The physical property values of Polycon[®] 21

Properties	ASTM	Unit	Value
Tensile Strength	D4745	PSI [MPa]	3,350 [23.1]
Elongation	D4745	%	225
Compressive Strength ¹	D695	PSI [MPa]	2,450 [16.9]
Compressive Modulus	D695	PSI [MPa]	89,000 [614]
Deformation Under Load ²	D621	%	-
Hardness	D2240	Shore D	62
Specific Gravity	D792	-	2.23
Coefficient of Friction	D3702	-	.09

1. Compressive Strength was tested at 10% strain.
2. Deformation Under Load was tested at 2,000 psi for 24 hours.
3. 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

- Lubricated Glass-Filled PTFE

Features/Benefits

- Outstanding heat and wear resistance
- Recommended for low speed and medium pressure applications
- Can be abrasive running against soft metals at high surface speed
- Recommended for hydraulic and wellbore fluids

Working Temperature Range

- -450°F to +600°F
[-268°C to +316°C]

Color

- Dark Gray

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