



The physical property values of Polycon[®] 25

Properties	ASTM	Unit	Value
Tensile Strength	D638	PSI [MPa]	14,500 [100]
Tensile Modulus	D638	PSI [MPa]	450,000 [3,100]
Elongation	D638	%	17
Compressive Strength	D695	PSI [MPa]	19,500 [134]
Flexural Strength ¹	D790	PSI [MPa]	24,000 [165]
Flexural Modulus	D790	PSI [MPa]	585,000 [4,030]
Hardness	D2240	Shore D	90
Specific Gravity	D792	-	1.3
Coefficient of Friction	-	-	.40

1. Flexural Strength was tested at 5% strain.
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

- Virgin PEEK

Features/Benefits

- Outstanding resistance to harsh chemicals
- Excellent mechanical strength and dimensional stability
- A high modulus material with excellent abrasion resistant
- Ability to maintain stiffness at high temperature
- Recommended for backup rings, spacer rings, and special applications

Working Temperature Range

- -450°F to +600°F
[-268°C to +316°C]

Color

- Tan

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