

The physical property values of Polycon[®] 24

Properties	ASTM	Unit	Value
Tensile Strength	D1708	PSI [MPa]	6,600 [45.5]
Tensile Modulus	-	PSI [MPa]	-
Elongation	D1708	%	370
Compressive Strength ¹	D695	PSI [MPa]	3,100 [21.4]
Compressive Modulus	D695	PSI [MPa]	86,200 [594]
Deformation Under Load	D621	%	-
Hardness	D2240	Shore D	61
Specific Gravity	D792	-	.93
Coefficient of Friction	-	-	.11

1. Compressive Strength was tested at 10% 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 of the information is 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 UHMWPE

Features/Benefits

- Excellent wear properties
- Extremely tough material
- Outstanding in water and water-based fluids.
- Suitable for abrasive media
- Recommended for long life under severe conditions
- Limited heat resistance
- FDA compliant

Working Temperature Range

- -450°F to +180°F
[-268°C to +82°C]

Color

- Translucent to White

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