

# TECAFORM<sup>®</sup> UD BLUE

Ensinger - Ultra Detectable, Blue Acetal Copolymer POM-C (Tech Data Sheet)

Mechanical Properties	Value	Test Method
Modulus of Elasticity (Tensile Test)	400,000 psi	ASTM D 638
Tensile Strength at Yield	8,450 psi	ASTM D 638
Elongation at Break	7.9 %	ASTM D 638
Flexural Strength	13,780 psi	ASTM D 790
Flexural Modulus	459,000 psi	ASTM D 790
Compression Strength, @ 10% deformation	12,650 psi	ASTM D 695
Compression Strength, @ 1% deformation	2,740 psi	ASTM D 695
Compression Modulus	264,000 psi	ASTM D 695
Impact Strength (Izod)	0.68 ft-lbs/in	ASTM D 256
Rockwell Hardness, M Scale	89 (M)	ASTM D 785

Electrical Properties	Value	Test Method
Volume Resistivity	1.0 x 10 <sup>14</sup> Ω*cm	ASTM D 696 (1)

Thermal Properties	Value	Test Method
Melting Point	329° F	---
Deflection Temperature @ 66 psi	320° F	ASTM D 648 (1)
Deflection Temperature @ 264 psi	230° F	ASTM D 648 (1)
Service Temperature, Long Term	212° F	---
Service Temperature, Short Term	285° F	--- (1)
Thermal Expansion (CLTE)	1.2 x 10 <sup>-5</sup>	--- (1)

Other Properties	Value	Test Method
Moisture Absorption @ 24 hours	0.2 %	--- (1)

(1) Data obtained from public source

This information reflects the current state of our knowledge and is intended only to assist and advise. It is given without obligation or liability. It does not assure or guarantee chemical resistance, quality of products or their suitability in any legally binding way. Values are not minimum or maximum values, but guidelines that can be used for comparative purposes in material selection. They are within the normal range of product properties and do not represent guaranteed property values. Testing under individual application circumstances is always recommended. Data is obtained from extruded shapes materials unless otherwise noted. References to FDA compliance refer to the resins from which the products were made unless otherwise noted. All trade and patent rights should be observed. All rights reserved. Data sheet values are subject to periodic review, the most recent update can be found at [www.ensinger-inc.com](http://www.ensinger-inc.com).



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