

TECADUR MT TR natural - Stock Shapes (rods, plates, tubes)

Chemical Designation

na ()

Colour

transparent

Density

1.18 g/cm³

Main features

- good chemical resistance
- excellent impact strength
- high gamma radiation resistance

Target Industries

- medical technology
- pharmaceutical industry
- chemical technology

Mechanical properties	condition	value	unit	test method	comment
Modulus of elasticity (tensile test)	73 °F	219,500	psi	ASTM D 638	
Tensile strength at yield	73 °F	6,900	psi	ASTM D 638	
Elongation at break (tensile test)	73 °F	160	%	ASTM D 638	
Flexural strength	73 °F	10,500	psi	ASTM D 790	
Modulus of elasticity (flexural test)	73 °F	222,800	psi	ASTM D 790	
Compression strength	73 °F 1% strain	1,500	psi	ASTM D 695	
Compression strength	73 °F 10% strain	6,500	psi	ASTM D 695	
Compression modulus	73 °F	173,000	psi	ASTM D 790	
Notched impact strength (Izod)	73 °F 10 LB hammer	3.7	ft-lbs/in	ASTM D 256	
Rockwell hardness	R scale	118		ASTM D 785	
Thermal properties	condition	value	unit	test method	comment
Deflection temperature	66 psi	210	°F	ASTM D 648	1) (1) inj molded data
Deflection temperature	264 psi	171	°F	ASTM D 648	2) (2) Inj molded data
Other properties	condition	value	unit	test method	comment
Moisture absorption	24 hr	0.06	%	ASTM D 570	

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 material 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.ensingerplastics.com.

Ensinger Inc. Headquarters
365 Meadowlands Boulevard
Washington, PA 15301, USA

Phone 800-243-3221 Sales
Phone 800-869-4029 Technical
Fax 724-746-9209
sales@ensingerusa.com

Date: 2017/05/17

Version: