

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

<i>Mechanical properties</i>	<i>condition</i>	<i>value</i>	<i>unit</i>	<i>test method</i>	<i>comment</i>
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	
<i>Thermal properties</i>	<i>condition</i>	<i>value</i>	<i>unit</i>	<i>test method</i>	<i>comment</i>
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
<i>Other properties</i>	<i>condition</i>	<i>value</i>	<i>unit</i>	<i>test method</i>	<i>comment</i>
Moisture absorption	24 hr	0.06	%	ASTM D 570	

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