

TECAPEEK CM GF20 beige (XP-94) - Stock Shapes (rods, plates, tubes)

Chemical Designation
PEEK (Polyetheretherketone)

Colour
beige

Density
1.59 g/cm³

Fillers
glass fibres

Main features
excellent chemical resistance
excellent mechanical properties
high thermal resistance

Target Industries
chemical plant engineering
oil and gas industry

<i>Mechanical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Tensile strength	73°F	8400	psi	ASTM D 638	(1) units = Rockwell M
Elongation at break (tensile test)	73°F	3	%	ASTM D 638	
Flexural strength	73°F	13000	psi	ASTM D 790	
Modulus of elasticity (flexural test)	73°F	600000	psi	ASTM D 790	
Rockwell hardness	73°F	85		ASTM D 785	1)
<i>Thermal properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Melting temperature		649	°F	-	

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: 2017/01/01

Version: