

## TECATRON CM XP64 natural - Stock Shapes (rods, plates, tubes)

### Chemical Designation

PPS (Polyphenylsulfide)

### Colour

beige opaque

### Density

1.7 g/cm<sup>3</sup>

### Fillers

40% glass fibres

production process: compression moulding

### Main features

- high dimensional stability
- good chemical resistance
- high creep resistance
- good heat deflection temperature
- resistance against high energy radiation
- high stiffness
- high strength

### Target Industries

- oil and gas industry

<i>Mechanical properties</i>	<i>condition</i>	<i>value</i>	<i>test method</i>	<i>comment</i>
Tensile strength		6200 psi	ASTM D 638	
Modulus of elasticity (tensile test)		900,000 psi	ASTM D 638	
Elongation at break (tensile test)		1.1 %	ASTM D 638	
Flexural strength		11,000 psi	ASTM D 790	
Modulus of elasticity (flexural test)		1,200,000 psi	ASTM D 790	
Compression strength		25,000 psi	ASTM D 695	
Compression modulus		580,000 psi	ASTM D 695	
Impact strength (Izod)		.7 ft-lbs/in	ASTM D 256	
Shore hardness	Shore D	88	ASTM D 2240	
<i>Thermal properties</i>	<i>condition</i>	<i>value</i>	<i>test method</i>	<i>comment</i>
Heat distortion temperature		234 °F	ASTM D 648	
<i>Electrical properties</i>	<i>condition</i>	<i>value</i>	<i>test method</i>	<i>comment</i>
Dielectric strength		233 V/mil	ASTM D 149	
<i>Other properties</i>	<i>condition</i>	<i>value</i>	<i>test method</i>	<i>comment</i>
Moisture absorption	@ 24 hrs	.063 %	ASTM D 570	

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