

## TECASINT CM natural (XP131) - Stock Shapes (rods, plates, tubes)

### Chemical Designation

PI (Polyimide)

### Colour

dark brown

### Density

1.34 g/cm<sup>3</sup>

### Main features

high continuous use temperature  
high toughness  
excellent chemical resistance

### Target Industries

oil and gas industry  
chemical plant engineering  
others

Mechanical properties	parameter	value	unit	norm	comment
Tensile strength	@73°F	9,300	psi	ASTM D 638	
Modulus of elasticity (tensile test)	@73°F	580,000	psi	ASTM D 638	
Elongation at break (tensile test)	@73°F	2	%	ASTM D 638	
Flexural strength	@73°F	12,000	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@73°F	550,000	psi	ASTM D 790	
Shore hardness	D Scale	89		ASTM D 2240	

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Date: 2023/01/25

Version: A0