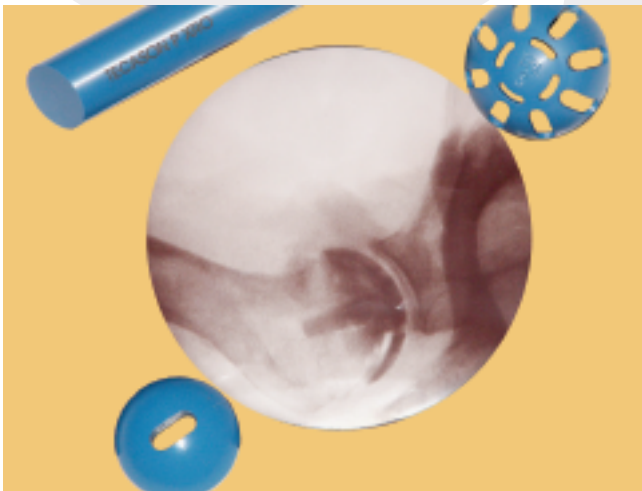


# TECASON™ P XRO

Ensinger Industries launches its new line of xray opaque, XRO series, thermoplastic shapes with TECASON™ P XRO. A radio opacifer is added to the standard line of colored PPSU extruded rod for orthopedic sizing trials and other instrument devices

allowing for clear visibility of the component on fluoroscopy and xray. This accommodates some of the new challenges created by minimally invasive and image guided surgery. TECASON™ P XRO has been tested to the requirements of ISO10993 for external

communication devices intended for less than 24 hour contact with tissue, bone and dentin. These tests include: Maximization / Sensitization Testing, Cytotoxicity, Intracutaneous Test, Acute Systemic Toxicity Test and the Hemolysis Test.



Ensinger is offering other plastics shapes using the biocompatible opacifer additive in TECAPRO™ MT, TECANYL™ MT, TECAPEI,™ MT, and TECAFORM™ MT

Colored Rod Size Availability				
Color	1"	1-1/2"	2"	2-1/2"
Black	●	●		
Green		●	●	
Red			●	
Gray			●	●
Yellow		●		
Blue		●	●	
Rust				●
Brown		●		
Bone		●		

*Other sizes available upon request*

***TECASON™ P XRO has been formulated to allow clear visibility of an instrument on fluoroscopy and xray during minimally invasive and image guided surgery. Thus providing an exceptional benefit to the user.***

# TYPICAL PROPERTY VALUES

	PROPERTIES	ASTM Test Method	Units	TECASON™ P XRO
<b>PHYSICAL</b>	Density	D792	lbs/in <sup>3</sup>	0.0191
	Specific Gravity	D792	g/cc	1.30
	Water Absorption, @ 24 hours, 73°F	D570	%	0.33
	@saturation, 73°F	-	-	-
<b>MECHANICAL</b>	Tensile Strength @ Yield, 73°F	D638	psi	10,000
	Tensile Modulus	D639	psi	290,000
	Elongation @ Break, 73°F	D638	%	50
	Flexural Strength, 73°F	D790	psi	11,700
	Flexural Modulus, 73°F	D790	psi	305,000
	Compressive Strength	D395	psi	-
	Izod Impact Strength, Notched, 73°F	D256	ft-lbs/in	4.0
	Rockwell Hardness, 73°F	D785	R Scale	122.5
	Wear Factor Against Steel, 40 psi, 50 fpm	-	(V) Scale	72.5
	Static Coefficient of Friction	-	-	-
	Dynamic Coefficient of Friction, 40 psi, 50 fpm	-	-	-
<b>THERMAL</b>	Heat Deflection Temperature @ 66 psi	-	-	-
	@264 psi	-	-	-
	Coefficient of Linear Thermal Expansion (-40°F to 100°F)	-	-	-
	Maximum Servicing Temperature, Intermittent	-	-	-
	Long Term	-	-	-
	Specific Heat	-	-	-
	Thermal Conductivity	-	-	-
	Vicat Softening Point, Rate B/50	-	-	-
Applicable Temperature Range for Thermal Expansion	-	-	-	
Flammability	-	-	-	
<b>ELECTRICAL</b>	Surface Resistivity	-	-	-
	Volume Resistivity	-	-	-
	Dielectric Strength	-	-	-
	Dielectric Constant, @ 60 Hz, 73°F, 50% RH	-	-	-
	Dissipation Factor, @ 60 HZ, 73°F	-	-	-
		-	-	-

This information is only to assist and advise you on current technical knowledge and is given without obligation or liability. All trade and patent rights should be observed. All rights reserved. TECASON™ P XRO – Ensinger Industries, Inc.

## MATERIAL AVAILABILITY

**Rods:** Diameters: 1" to 3 1/2"

**Plates:**

## Primary Specification (Typical)

*Profiles, tubes, and special sizes are custom-produced on request.*



**ENSINGER-HYDE**

ASK. THINK. SUCCEED.



DISTRIBUTED BY

Division of Ensinger, Inc.

**HEADQUARTERS**  
365 Meadowlands Boulevard  
Washington, Pennsylvania 15301  
**Telephone:** 800-243-3221 *Sales*  
800-869-4029 *Technical*  
**Fax:** 724-746-9209

e-mail: sales@ensinger-ind.com

**CANADA**  
Ensinger-Plastifab  
8115 Lafrenaie Street  
Montreal, Quebec H1P 2B1  
**Telephone:** 514-325-9840  
**Fax:** 514-325-5222

Web site: www.plastifab.ca  
e-mail: infoprod@plastifab.ca