

# TECASON™ P

Polyphenylsulfone

Ensinger Inc.

## Message:

Offering a level of performance above polysulfones, TECASON™P has increased temperature, impact and chemical resistance properties as well as excellent resistance to repeated steam sterilization (autoclave) cycles.  
TECASON™ P is a polyphenylsufone that exhibits excellent temperature, impact and chemical resistance properties.

General Information			
Features	Good Chemical Resistance		
	High Heat Resistance		
	High Impact Resistance		
	Steam Resistant		
Forms	Shapes		
Hardness	Nominal Value		Test Method
Rockwell Hardness (R-Scale)	123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2340	MPa	ASTM D638
Tensile Strength (Yield)	69.6	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	91.0	MPa	ASTM D790
Compressive Strength	98.9	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	220	°C	
1.8 MPa, Unannealed	216	°C	
Vicat Softening Temperature	218	°C	ASTM D1525
CLTE - Flow	3.1E-5	cm/cm/°C	ASTM D696
Maximum Service Temperature - Intermittent	182	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	14	kV/mm	ASTM D149
Dielectric Constant <sup>1</sup> (60 Hz)	3.44		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
NOTE			

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#### Recommended distributors for this material

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