

# Ensinger PVC

Polyvinyl Chloride

Ensinger Inc.

## Message:

Ensinger's type 1 grey PVC ROD is designed for machining solutions and is a cost effective solution for general industrial applications. The material offers an excellent combination of chemical resistance and mechanical strength, along with good thermal and electrical properties that are suited to a variety of industries.

Manufactured in rod, Ensinger PVC can be used for applications such as pump housings, valve components, and other parts as well as couplings in electronics applications that require good chemical resistance.

General Information			
Features	High strength		
	Good electrical performance		
	Good corrosion resistance		
	Good chemical resistance		
	Flame retardancy		
Uses	Pump parts		
	Electrical/Electronic Applications		
	Valve/valve components		
	Industrial application		
	Shell		
Appearance	Grey		
Forms	Bar		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm <sup>3</sup>	ASTM D792
Water Absorption (23°C, 24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2830	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	50.3	MPa	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	70.0	°C	ASTM D648
CLTE - Flow	5.2E-5	cm/cm/°C	ASTM D696
Maximum Service Temperature	60	°C	
Flammability	Nominal Value		
Flame Rating	V-0		

#### Additional Information

Data obtained from extruded shapes material.

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#### Recommended distributors for this material

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