

Product Data Sheet

PVC rod is grey in color and is stocked in diameters from 1/4" to 12".

PVC is an excellent choice for many applications in industrial environments where chemical resistance, dimensional stability, self extinguishing properties and price are a concern. Many applications can be found for PVC in the chemical processing industry.

All PVC rods are void free and meet or exceed the requirements of PVC Type I.

Although typical average physical properties are listed below, Plastifab will not guarantee these values in parts machined from stock shapes. These properties should only be used as guidelines.

***PVC rod does not contain lead stabilizers.**

| GENERAL PROPERTIES | ASTM METHOD | UNITS | PVC |
|--------------------|-------------|------------|--------|
| Specific Gravity | D792 | | 1.43 |
| Hardness, Rockwell | D785 | | 113 R |
| HDT | | | |
| @ 264 PSI | D648 | °F | 169 |
| @ 66 PSI | D648 | °F | 178 |
| Tensile Strength | D638 | PSI | 7300 |
| Tensile Modulus | D638 | PSI | 392000 |
| Flexural Modulus | D790 | PSI | 455000 |
| Notched Izod | D256 | FT-LBS/IN. | 0.7 |

| ELECTRICAL PROPERTIES | ASTM METHOD | UNITS | PVC |
|-----------------------|-------------|-------|--------------------------------|
| Surface Resistivity | | | 10 ¹³ Ohms |
| Bulk Resistivity | | | 2.5 x 10 ¹⁴ Ohms/CM |
| Dielectric Constant | | 1 MHZ | 3 |

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| ELECTRICAL PROPERTIES | ASTM METHOD | UNITS | PVC |
|--|-------------|-------|----------|
| • Weight, 96% H2SO4 Immersion Ambient Conditions | | | - 0.42% |
| • Weight, 65% HHO3 Immersion Ambient Conditions | | | + 0.044% |
| • Weight, 37% HCL Immersion Ambient Conditions | | | + 0.023% |
| • Weight, 10% HCL Immersion Ambient Conditions | | | - 0.016% |

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