

Raw Material Polyvinyl Chloride (PVC)

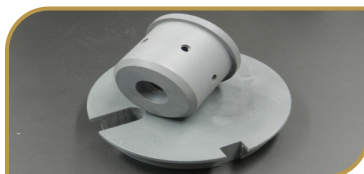
General Properties	Test Method	Unit	Value
Density	DIN EN ISO 1183	g/cm ³	1.45
Water Absorption	DIN EN ISO 62	%	0.2
Food Compliance	-	FDA/BfR	NO
UV Stability	-	-	-
Mechanical Properties			
Tensile Modulus	DIN EN ISO 527	MPa	700
Notched Impact Strength (Charpy)	DIN EN ISO 179	-	3
Shore Hardness	DIN EN ISO 868	Scale D	82
Flexural Strength	ISO 178	MPa	90
Coefficient Of Friction To Steel	-	U	0.5
Thermal Properties			
Softening Temperature	ISO 11357-3	°C	80
Thermal Conductivity	DIN 52612-1	W/m*k	0.14
Coefficient Of Linear Thermal Expansion	DIN 53752	10 ⁻⁶ K ⁻¹	80
Service Temperature (MIN)	Average	°C	-15
Service Temperature (MAX)	Average	°C	60
Electrical Properties			
Dielectric Constant	IEC 60250	-	0.01
Volume Resistance	IEC 60093	Ω*m	10 ¹⁵
Surface Resistance	IEC 60243	Ω	10 ¹³

Applications:

- Etching Machines
- Electrical Boxes
- Labatory Equipment
- Pipes & Valves

Characteristics:

- Excellent Dielectric Properties
- Excellent Chemical Resistance
- Average Impact & Wear Resistance



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