

Trovidur® EN

Rigid Polyvinyl Chloride

Röchling Engineering Plastics SE & Co. KG

Message:

Product Characteristics

High resistance to acids, lyes and salt solutions

Flame retardant, self-extinguishing after removal of flame

Easy processing by welding, thermoforming and bonding

Typical field of application

Chemical engineering and tank building

Pump engineering

General Information

Features	Acid Resistant
	Bondability
	Flame Retardant
	Good Chemical Resistance
	Self Extinguishing
	Weldable

Uses	Engineered Applications
	Pump Parts
	Tanks
	Thermoforming Applications

Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	< 3.0	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	85		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2
Tensile Strain (Break)	20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	6.0E-5 to 8.0E-5	cm/cm/°C	DIN 53752
Thermal Conductivity	0.16	W/m/K	DIN 52612
Heat Deflection Temperature - Vicat B	82	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+13	ohms	IEC 60093

Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Dielectric Constant	3.20		IEC 60250
Dissipation Factor (1 MHz)	0.020		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
3.00 mm	V-0		
6.00 mm	V-0		

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