



RIGID PVC

Rigid Poly Vinyl Chloride (PVC)



PRODUCT CAPABILITIES:

STOCK SHAPES

- Sheet : 1mm – 50mm
- Rod : 6mm – 100mm

PRODUCT COLORS:

- Dark Grey
- White
- Black

ADVANTAGES:

- Excellent Corrosion Resistance
- Excellent Weather Resistance
- High Strength-to-weight Ratio
- Good Electrical & Thermal Insulator.

APPLICATIONS INCLUDE:

- Tanks
- Scrubbers
- Ventilation Systems

SIMONA

GENERAL PROPERTIES	TEST METHOD OR UL TEST	RIGID PVC Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	ISO 1183	1.44
Water Absorption, 24 hrs (%)	-	-
MECHANICAL		
Yield Stress (MPa)	ISO 527	58
Tensile Modulus of Elasticity (MPa)	ISO 527	3,300
Elongation at Yield (%)	ISO 527	4
Impact Strength (kJ/m ²)	ISO 179	-
Notched Impact Strength (kJ/m ²)	ISO 179	4
Shore D Hardness	ISO868	82
THERMAL		
Mean Coefficient of Linear Thermal Expansion (K E-1)	DIN 53752	0.8 x 10 ⁻⁴
Temperature Range, (°C)	-	0 to +60
Fire Behaviour	DIN 4102	B1
Flammability	UL 94	V-0
ELECTRICAL		
Surface Resistivity (ohms/sq)	IEC 60093	>10 ¹³
Dielectric Strength (kV/mm)	IEC 60243-1	39

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.

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