



RIGID PVC GREY

Rigid Poly Vinyl Chloride (PVC)



PRODUCT CAPABILITIES:

STOCK SHAPES

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

ADVANTAGES:

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

PRODUCT COLORS:

- Dark Grey

APPLICATIONS INCLUDE:

- Tanks
- Scrubbers
- Ventilation Systems

SIMONA

| GENERAL PROPERTIES | TEST METHOD OR UL TEST | RIGID PVC GREY 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 | > 3,000 |
| Elongation at Yield (%) | ISO 527 | 3 |
| Elongation at Break (%) | ISO 527 | 15 |
| Impact Strength (kJ/m ²) | ISO 179 | No Break |
| 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 |
| Thermal Conductivity (W/m.K) | DIN 52612 | 0.159 |
| Fire Behaviour | DIN 4102 | B1 |
| 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.