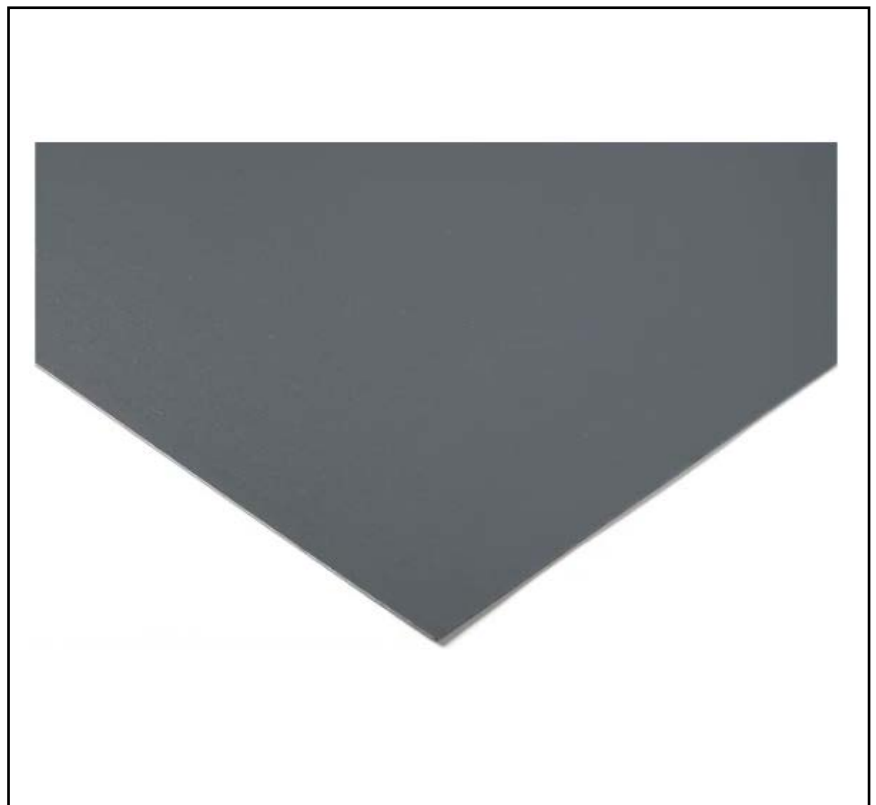


FEATURES

- Maximum operating temperature of +60 °C
- Excellent resistance to most chemicals
- Easily fabricated and machined
- 0.2 % water absorption
- Available in different sizes
- Available from 1mm to 25mm thickness

Grey Plastic Sheet, 1000mm x 500mm x 12mm

RS Stock No.: 438-6409



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From RS PRO, comes a range of grey PVC sheets. Manufactured to industry standards and being UL DIN 4102 B1 flame resistance, these sheets are of high quality and are great value

General Specifications

| | |
|----------------------------|---|
| Form | Solid |
| Colour | Grey |
| Material | PVC |
| Laminated | Yes |
| Laminated Material | Acrylic; Epoxy Resin; Fine Weave Cotton; Glass Fibre |
| Flammability Rating | DIN 4102 B1 |
| Polymer Type | Copolymer |
| Finish | Clear |
| Adhesive Backing | Yes |
| Applications | These PVC sheet have an array of application use such as; Chemical plant-tanks, Electrical components, Valves and pumps |

Electrical Specifications

| | |
|------------------------------------|----------------------------------|
| Specific Surface Resistance | $10^{14} \Omega$ |
| Specific Volume Resistance | $10^{14} \Omega \cdot \text{cm}$ |
| Dielectric Constant | 2.9 |
| Dielectric Loss Factor | 0.0017tg |
| Breakdown Voltage | 38kV/mm |

Mechanical Specifications

| | |
|---------------------------|------------------------------------|
| Length | 1000mm |
| Width | 500mm |
| Thickness | 12mm |
| Density | 1.47g/cm ³ |
| Tensile Strength | 55 MPa |
| Hardness | Shore D 65 to 80 |
| Water absorption | 0.2% |
| Thermal Conductivity | 0.17W/m.K |
| Elongation | 20% |
| Impact Strength | 12kJM ⁻² |
| Modulus Of Elasticity | 3500MPa |
| Flexural Strength | 175MPa |
| Compression Strength | 23MPa |
| Compression Modulus | 3400MPa |
| Ball Indentation Hardness | 253MPa |
| Thermal Expansion | 5x10 ⁻⁵ k ⁻¹ |
| Specific Heat | 1.1J/(g.K) |
| Specific Gravity | 1.38 |
| Flexural Modulus | 2600MPa |
| Friction Coefficient | 0.54 |
| Poisson Ratio | 0.38kJM ⁻² |

Operation Environment Specifications

| | |
|-------------------------------|-------|
| Maximum Operating Temperature | 60°C |
| Melting Point | 255°C |
| Glass Transition Temperature | 150°C |
| Vicat Softening Point | 65°C |

Approvals

| | |
|---------------------------|---------------|
| Compliance/Certifications | CE / UR / cUR |
|---------------------------|---------------|