

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 3mm

RS Stock No.: 680-741



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	Mirror
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	$10^{13} \Omega \cdot \text{cm}$
Dielectric Constant	2.9
Dielectric Loss Factor	0.0017tg
Breakdown Voltage	17kV/mm
Dielectric Strength 23°C, 50% r.h.	49kV/mm

Mechanical Specifications

Length	1000mm
Width	500mm
Thickness	3mm
Density	1.47g/cm ³
Tensile Strength	55MPa
Hardness	Shore D 65 to 80
Water absorption	0.2%
Thermal Conductivity	0.18W/m.K
Elongation	20%
Impact Strength	12kJM ⁻²
Modulus Of Elasticity	2500MPa
Flexural Strength	91MPa
Compression Strength	20MPa
Compression Modulus	2300MPa
Ball Indentation Hardness	165MPa
Thermal Expansion	8x10 ⁻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	-60°C
Vicat Softening Point	65°C

Approvals

Compliance/Certifications	CE / UR / cUR
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