

Features

- Resistance to many types of
- acids/alkalis of medium concentration
- A good electrical insulator
- Max Long Term Service Temperature 150°C
- A flammability rating of UL 94HB

RS PRO White Plastic Sheet, 1220mm x 610mm x 1.5mm

RS Stock No.: 681-592



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 high-quality ABS (Acrylonitrile Butadiene Styrene) sheet. These rigid thermoplastic sheets are manufactured to industry standards, have high impact resistance and excellent thermal forming properties*

General Specifications

Form	Solid
Colour	White
Material	ABS
Laminated	Yes
Laminated Material	Acrylic; Epoxy Resin; Fine Weave Cotton; Glass Fibre
Flammability Rating	UL 94 HB
Polymer Type	Copolymer
Finish	Clear
Adhesive Backing	Yes
Applications	ABS sheets have an array of application use such as; Refrigeration industry, 3D Building Materials, Pipes and fittings, Automotive industry, Vacuum Construction, Machine Prototype Construction

Mechanical Specifications

Length	1220mm
Width	610mm
Thickness	1.5mm
Density	1.41g/cm ³
Tensile Strength	50Mpa
Hardness	M 90 Rockwell
Water absorption	0.7%
Thermal Conductivity	0.17W/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	8x10-5k-1
Specific Heat	1.1J/(g.K)
Specific Gravity	1.38
Flexural Modulus	2600Mpa
Friction Coefficient	0.54
Poisson Ratio	0.38kJM-2

Electrical Specifications

Specific Surface Resistance	1014 Ω
Specific Volume Resistance	1013 Ω.cm
Dielectric Constant	2.9
Dielectric Loss Factor	0.0017tg
Breakdown Voltage	17kV/mm
Dielectric Strength 23°C, 50% r.h.	49kV/mm

Operation Environment Specifications

Maximum Operating Temperature	75°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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