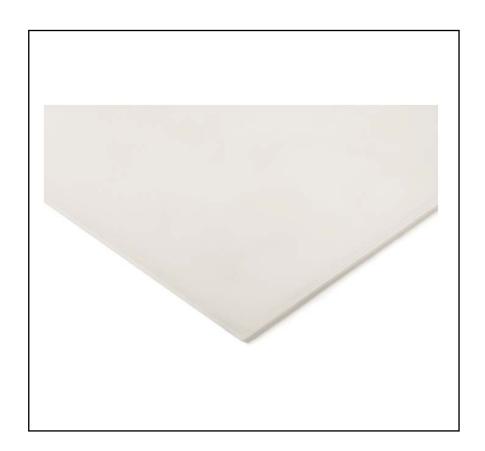


FEATURES

- Maximum operating temperature of +90 °C and +100 °C offered in this range
- Flammability rating of UL 94 HB
- Excellent resistance to cold and stress cracking, shock, abrasion and chemical
- Very good electrical insulation properties

White Plastic Sheet, 1000mm x 500mm x 10mm

RS Stock No.: 680-599



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 the trusted brand RS PRO, comes a range of white polyethylene sheets. Manufactured to industry standards, these sheets are of high quality and are great value

General Specifications

Form	Solid
Colour	White
Material	PE-UHMW
Laminated	Yes
Laminated Material	Acrylic; Epoxy Resin; Fine Weave Cotton; Glass Fibre
Flammability Rating	UL 94 HB
Polymer Type	Copolymer
Finish	Mirror
Adhesive Backing	Yes
Applications	Polyethylene has an array of application use such as; Chemical apparatus, Plugs, Seals, Food processing, Insulators, and low load rollers

Electrical Specifications

Specific Surface Resistance	10 ¹⁴ Ω
Specific Volume Resistance	10 ¹³ Ω.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

1000mm
500mm
10mm
0.95 to 0.96g/cm ³
25MPa
50Ball Indentation
0.02%
0.17W/m.K
350%
12kJM ⁻²
2800MPa
91MPa
20MPa
2300MPa
165MPa
5x10 ⁻⁵ k ⁻¹
1.1J/(g.K)
1.38
2600MPa
0.54
0.38kJM ⁻²

Operation Environment Specifications

Maximum Operating Temperature	90°C
Melting Point	255°C
Glass Transition Temperature	-60°C
Vicat Softening Point	65°C

Approvals

Compliance/Certifications	CE / UR / cUR