

FEATURES

- Safe, active anti-microbial function
- Lost-lasting effect of the anti-microbial agent
- Retains the anti-microbial properties even in fabrication
- Offers resistance to a wide range of chemicals
- Impact resistant
- Tested to ISO 22196
- Lightweight
- Easily bonded
- Withstands frequent cleaning
- Excellent adhesion
- Easy to install and maintain
- Ideally suited for high medical care areas

White Plastic Sheet, 1200mm x 1200mm x 2.5mm

RS Stock No.: 809-9689



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 white hygienic PVC sheets. Manufactured to industry standards and meeting BS 476 flame resistance standards, these sheets are of high quality and are great value

General Specifications

| | |
|----------------------------|---|
| Form | Solid |
| Colour | White |
| Material | PVC |
| Laminated | Yes |
| Laminated Material | Acrylic; Epoxy Resin; Fine Weave Cotton; Glass Fibre |
| Flammability Rating | UL 94 |
| Polymer Type | Copolymer |
| Finish | Clear |
| Adhesive Backing | Yes |
| Applications | <p>Medical - Operating theatres, Hospitals and clinics, Laboratories and clean rooms</p> <p>Food - Food production areas, Commercial and restaurant kitchens, Plating of food, Abattoirs</p> <p>Agriculture - Livestock, poultry and dairy farms, Egg sorting halls, Storage chambers</p> |

Electrical Specifications

| | |
|------------------------------------|-----------------------|
| Specific Surface Resistance | 10 ¹⁴ Ω |
| Specific Volume Resistance | 10 ¹⁴ Ω.cm |
| Dielectric Constant | 2.9 |
| Dielectric Loss Factor | 0.0017tg |
| Breakdown Voltage | 17kV/mm |

Mechanical Specifications

| | |
|-------------------------------------|------------------------|
| Length | 1200mm |
| Width | 1200mm |
| Thickness | 2.5mm |
| Density | 1.2g/cm ³ |
| Tensile Strength at Yield | 50-55MPa |
| Hardness | 60 Shore |
| Water absorption | 0.35% |
| Thermal Conductivity | 0.15W/m.K at 1mm |
| Elongation At Yield | 3% |
| Falling dart Impact Strength | 93-96kJM ⁻² |
| Modulus Of Elasticity | 2800-3000MPa |
| Flexural Strength | 78-82MPa |
| Compression Strength | 23MPa |
| Compression Modulus | 3400MPa |
| Ball Indentation Hardness | 253MPa |
| Thermal Expansion | 0.067mm/m°C |
| Specific Heat | 1.1J/(g.K) |
| Specific Gravity | 1.38-1.42 |
| Flexural Modulus | 2600-2800MPa |
| Friction Coefficient | 0.54 |
| Poisson Ratio | 0.38kJM ⁻² |
| Tensile Strength At Break | 48-54MPa |
| Elongation At Break | 130-150% |

Operation Environment Specifications

| | |
|--------------------------------------|---------|
| Maximum Operating Temperature | 120°C |
| Melting Point | 255°C |
| Glass Transition Temperature | 150°C |
| Vicat Softening Point | 65-68°C |

Approvals

| | |
|----------------------------------|---------------|
| Compliance/Certifications | CE / UR / cUR |
| Standards Met | ISO 22196 |

Product options:

| RS article no. | Description | Type | Size |
|-----------------------|--------------------|-------------|-------------|
| 8099689 | Hygienic PVC sheet | standard | 1.2m square |
| 8099698 | Hygienic PVC sheet | standard | 0.6m square |
| 8099691 | Hygienic PVC sheet | bio grade | 1.2m square |
| 8099695 | Hygienic PVC sheet | bio grade | 0.6m square |