

FEATURES

- 2 types of lightweight mirror finish plastic sheeting - acrylic or polycarbonate
- Acrylic is suitable for many internal applications
- Polycarbonate for strength and impact resistance in high security and institutional environments i.e. shops, schools, prisons, bars, etc
- Polycarbonate can be used in external environments providing water cannot reach the mirror coating
- Can be fixed by drilling, glue or double-sided adhesive tapes

Plastic Sheet, 600mm x 600mm x 3mm

RS Stock No.: 748-1302



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 mirrored sheets, constructed with either acrylic or polycarbonate, these mirrored plastic sheets have been manufactured to industry standards

General Specifications

| | |
|----------------------------|--|
| Form | Solid |
| Material | Acrylic |
| Laminated | Yes |
| Laminated Material | Acrylic; Epoxy Resin; Fine Weave Cotton; Glass Fibre |
| Flammability Rating | UL 94 HB |
| Polymer Type | Copolymer, Homopolymer |
| Finish | Mirror |
| Adhesive Backing | Yes |
| Applications | <p>These polycarbonate sheets have various application use such as; Schools, Prisons, Bars</p> <p>The Acrylic sheets have great application as such as; Household mirrors, Mirrors for stables, Visual merchandising, Food service industry, Cake stands</p> |

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 | 600mm |
| Width | 600mm |
| Thickness | 3mm |
| Density | 1.2g/cm ³ |
| Tensile Strength | 62 MPa |
| Hardness | R 118 Rockwell |
| Water absorption | 0.4% |
| Thermal Conductivity | 0.17W/m.K |
| Elongation | 70% |
| 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 | 120°C |
| Melting Point | 255°C |
| Glass Transition Temperature | 150°C |
| Vicat Softening Point | 65°C |

Approvals

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