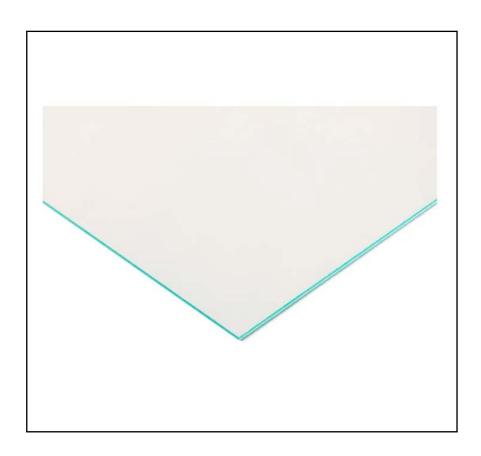


#### **FEATURES**

- 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	These polycarbonate sheets have various application use such as; Schools, Prisons, Bars  The Acrylic sheets have great application as such as; Household mirrors, Mirrors for stables, Visual merchandising, Food service industry, Cake stands

## **Electrical Specifications**

Specific Surface Resistance	10 <sup>14</sup> Ω
Specific Volume Resistance	$10^{14} \Omega$ .cm
Dielectric Constant	2.9
Dielectric Loss Factor	0.0017tg
Breakdown Voltage	38kV/mm



# **Mechanical Specifications**

Length600mmWidth600mm	
Width 600mm	
Thickness 3mm	
<b>Density</b> 1.2g/cm <sup>3</sup>	
Tensile Strength 62 MPa	
Hardness R 118 Rockwell	
Water absorption 0.4%	
Thermal Conductivity 0.17W/m.K	
Elongation 70%	
Impact Strength 12kJM <sup>-2</sup>	
Modulus Of Elasticity 3500MPa	
Flexural Strength 175MPa	
Compression Strength 23MPa	
Compression Modulus 3400MPa	
<b>Ball Indentation Hardness</b> 253MPa	
Thermal Expansion 5x10 <sup>-5</sup> k <sup>-1</sup>	
Specific Heat 1.1J/(g.K)	
Specific Gravity 1.38	
Flexural Modulus 2600MPa	
Friction Coefficient 0.54	
Poisson Ratio 0.38kJM <sup>-2</sup>	

# **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