

Features

- **100% Recyclable:** As a thermoplastic, RS Pro Polycarbonate Gloss Sheet can be mechanically recycled, ground into granules, and re-manufactured into new products multiple times without significant loss of quality.
- **Waste Reduction:** The sheets can be cut to precise lengths during manufacture, with all resulting offcuts fed back into the production process to minimise landfill waste
- **Offers excellent light transmission and transparency**
- **Provides exceptional protection against breakage and vandalism**
- **Easy to Fabricate:** Can be easily machined, cold-curved, or thermoformed
- **Approximately 50% lighter than glass,** making it easier to handle and install.

RS PRO Polycarbonate Clear Gloss Sheet,

L:500MM x W:500MM X T:6MM

RS Stock No: 0794127



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

RS PRO Polycarbonate Clear Gloss Sheet

RS Pro Polycarbonate Gloss Sheet known for its extreme impact strength and high optical clarity. It is designed to resist temperature extremes and has a strong fire rating

Key Features:

- ***Impact Resistance:*** Virtually unbreakable; it offers extreme mechanical strength even at temperatures as low as **-100 °C**.
- ***Finish:*** High-gloss, smooth surface on both sides
- ***Vandal Protection:*** Security glazing for bus shelters, municipal furniture, and areas prone to wilful destruction.
- ***Protective Screens:*** Clear barriers used in retail or as COVID-19 containment screens.

Applications:

- ***Machine Guards:*** Protective covers for milling, cutting, and sawing machinery to shield operators from ejected materials and flying sparks.
- ***Enclosures & Covers:*** Full enclosures for conveyor belts and control panels.
- ***Inspection Windows:*** Transparent viewing ports for industrial isolators and equipment.
- ***Welding Protection:*** Partition walls and filtered screens for welding booths and robot partitions.
- ***Automotive:*** Rear windows and interior components for vehicles.
- ***Medical:*** Casings for medical devices, such as incubators and dialysis machines, due to its sterilizability.

General Specifications

Material	Solid High-grade Polycarbonate Polymer
Form	Polished Solid Sheets with High Gloss Finish
Length	500MM
Width	500MM
Thickness	6MM

Plastic Sheets

Mechanical Specifications

Density	1200kg/m³
Tensile Modulus	2350MPa
Yield Strain	6%
Flexural Modulus	2350MPa
Flexural Strength	90MPa

Similar Products

RS Code	Form	Length/Width	Thickness
0794128	Sheet	500MM²	3MM
0794129	Sheet	500MM²	5MM
0794130	Sheet	1000MM²	6MM
0794131	Sheet	1000MM²	3MM
0794132	Sheet	1000MM²	5MM