

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:1000MM x W:1000MM X T:3MM

RS Stock No: 0794131



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	1000MM
Width	1000MM
Thickness	3MM

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
0794127	Sheet	500MM²	6MM
0794128	Sheet	500MM²	3MM
0794129	Sheet	500MM²	5MM
0794130	Sheet	1000MM²	6MM
0794132	Sheet	1000MM²	5MM