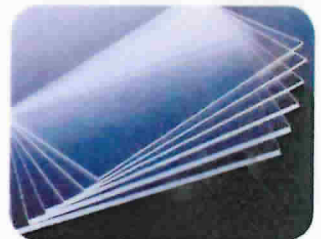


# TECHNICAL DATA SHEET ACRYLIC

(Trade Names "Perspex" OR "Plexiglass")

Commonly known as "Perspex®" or "Plexiglas®", clear acrylic sheet was first developed in the 1930's and is one of the most commonly used and versatile plastic sheeting materials in the world today. Clear acrylic sheets are a strong, lightweight, glass-like plastic with excellent outdoor weatherability and optical clarity. Seventeen times stronger than glass, at half the weight, clear acrylic sheets are a safer option as there is less chance of breakage. Not only is acrylic sheet a sound, durable option, it is also 100% recyclable and suitable for food contact. Acrylic sheets offer unrivalled versatility and are easy to fabricate, glue and bend without the need for specialised tooling.

There are two basic types of acrylic sheets (cast and extruded), and the manufacturing processes result in products with differences in properties and performance.



Benefits	Applications
• Outstanding outdoor weatherability and UV Resistance	• Point of Purchase / Retail / Exhibition Displays
• Exceptionally long lifespan	• Shop fitting / Shelving
• Optically clear - High light transmission	• Framing / Model Making
• Good acoustic properties	• Signage
• Excellent surface hardness and durability	• Architectural Applications
• Lightweight – less than half the weight of an equivalent piece of glass	• Glazing
• 17 times stronger than glass	• Parts for the medical industry
• Environmentally friendly	• Light fittings or roof lighting

TRADE NAME	CHEMICAL NAME	MATERIAL APPLICATION/ USAGE
ACRYLIC	Commonly known as Perspex® or Plexiglas®	Cell cast acrylic sheets have exceptionally high quality with excellent technical properties and high strength. Easy to handle, machine and fabricate.  Extruded acrylic sheets have improved vacuum formability, and are ideal for applications where complex shapes are required.

Please Note: The above Technical Data Sheet is a general guide to the physical properties of the material. This information is given without Warranty or Liability. It is the customer's responsibility to determine if this product is suitable for the application.