

## Penloc GTi Clear

### PRODUCT DESCRIPTION

Penloc GTi Clear is a unique 2-part, **TRANSPARENT** structural adhesive. It will bond most plastics, metals, glass, acrylic, modern composites, wood, stone, granite, jewels, Corian and many more different materials. It is ideal for manufacturing commercial signage, clear display cases, trophies/awards, acrylic/glass furniture, light boxes, menu boxes and just about anything that would benefit from a transparent bond line.

### Technical Data

Composition:	Methacrylate
Viscosity:	5000 to 6000 mPas
Density:	1.2g/cm <sup>3</sup>
Curing System:	Chemical 1:1 mix ratio component A with component B.
Time to cure:	5 to 7 minutes (Handling strength) 1hr (80% of full bond strength) 4 to 6 hours fully cured.
Shore D Hardness:	45 to 55
Temp. resist fully cured	-30 <sup>o</sup> C to +120 <sup>o</sup> C
Elasticity Modulus:	462 N/mm <sup>2</sup>
Tensile stress:	7.67 MPa
Elongation at break (DIN 53504):	25%
Colour:	Transparent
Shelf Life:	6 months when stored in a cool dry place away from direct sunlight.

### Surfaces

DO NOT use on PE, PP or PTFE or stressed acrylics. All surfaces should be lightly abraded with medium grit emery paper/board and cleaned with isopropyl alcohol. DO NOT use white spirit, methylated spirit or other cleaners as they may react with the adhesive and cause it to fail over time.

### PRECAUTIONS

Customers should satisfy themselves by appropriate trials that the product is suitable for their intended use. Bonded acrylic and other plastic samples should be left for a period of at least 7 days to observe any stress cracking or clouding that may occur.

No liability is accepted for any injury, loss or damage arising directly or indirectly from the use of the Company's products or from the use of information given in our publications, which is intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that the products are suitable for their intended use.

