



KUBE IR-Transmissive Plastics

How to fix, glue and weld PIR plastic windows

All KUBE IR transmissive plastics (granulates, films, blanks) are made from polyolefins that cannot be glued with standard compounds such as epoxy or acrylics.

For mounting PIR windows, we recommend the following:

- Mechanical fixture:
 - Hold window between case and a mounting frame.
 - Use small pins in plastic case, punch holes in window and weld with heat or ultrasound.
- Glue fixture:
 - Use double side adhesive transfer tape (pressure sensitive).

Long term stable and very thin tapes are available from:

- 3M (www.3m.com), such as:
 - type 950 (0.13 mm thick)
 - type 927 (0.05 mm thick)
 - type 9471 LE (0.05 mm thick)
- Dielectric Polymers, Inc. (USA): Type NT-988 (0.1 mm thick) www.dipoly.com
- In Europe, the following company can supply transfer tapes, also die cut to customer specified shape:

STOKVYS Tapes, France
5, rue Maximilien Robespierre
FR-93130 Noisy-le-Sec
www.stokvistapes.fr

Most standard KUBE films are surface treated on the **inside** (the way they are rolled) to improve adhesion of adhesive tapes and glue (Corona treatment to 44 dyn).