

# Perfluoroalkoxy Resin

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## General Discussion of Joining Techniques

**Cadillac Plastic and Chemical Company: Cadco Teflon** (note: polymerized without using a plasticizer)

Teflon film is available with a special modified surface that accepts most adhesives. It can be laminated to a variety of substrates such as metals, wood, fabrics, plastics, paper and elastomers using conventional batch (platen press) or continuous equipment. Because Teflon Film is also melt processible, it can be bonded to most substrates without using adhesives.

Teflon Film can be heat-sealed by any method which heats the contacting surfaces of the film above the melt temperature and simultaneously provides intimate contact of those surfaces. Transparent, chemically inert, non-contaminating and environment resistant containers or packages can be easily fabricated by heat-sealing.

**Reference:** *Cadco Engineering Plastics*, supplier design guide (CP-200-92) - Cadillac Plastic and Chemical Company, 1992.

## Welding

**Cadillac Plastic and Chemical Company: Cadco Teflon** (note: polymerized without using a plasticizer)

Welding or hot-air sealing of Teflon film in thick gauges permits relatively easy fabrication of chemically resistant linings for pipes, tanks, vessels, etc. High-strength bonds can be achieved while the flexibility of the film permits shaping and working to the desired contours.

**Reference:** *Cadco Engineering Plastics*, supplier design guide (CP-200-92) - Cadillac Plastic and Chemical Company, 1992.