

Polytetrafluoroethylene

Adhesive and Solvent Bonding

Cadillac Plastic and Chemical Company: Cadco Teflon

The non-stick and/ or solvent resistant nature of Cadco Teflon requires that part surfaces be specially prepared before adhesive bonding can occur. The surfaces can then adhere to like substrates or others such as wood, steel and aluminum.

Cadco Teflon must be thoroughly cleaned with acetone or a similar solvent to remove grease and other contaminants. Next, a sodium acid or other etching solution is used. To eliminate these steps toward bondability, PTFE sheet can be provided with one or both sides already etched for bonding.

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