

Polycyclohexylenedimethylene Ethylene Terephthalate

Adhesive and Solvent Bonding

Eastman: Kodar 6763 (features: transparent)

In tests conducted to evaluate the bondability/compatibility of plasticized PVC tubing to rigid, transparent thermoplastics, luer lock fittings molded out of PETG were generally more difficult to assemble than those made from other materials. However, this was not a factor where at least 50% cyclohexanone was used. Each solvent except acetone resulted in exceptional bond strengths. No crazing was observed with any solvent or solvent mixture. Either a 50:50 blend of methylene chloride in cyclohexanone or a 50:50 blend of MEK in cyclohexanone is suggested for use with PETG.

Reference: Haskell, A., *Bondability/Compatibility of Plasticized PVC to Rigid, Transparent Thermoplastics*, ANTEC 1989, conference proceedings - Society of Plastics Engineers, 1989.