



Glass Replacement "Silicone-Free" Syringe Solutions



Syringe Barrel Advantages

- Silicone-Free
- Plasma Treated
- Chemically Immobile and Inert
- 80% Fewer Particulate In Drug Medium
- Bio-compatibility
- Improved Drug Efficacy Due to Reduced Lubricant Migration
- Increased Protein Stability
- Controlled Glide Forces - No Stick-Slip
- Does Not Degrade the Drug Medium
- Scalable for High Volumes 1 Second Processing Time
- No Inconsistency In Device Performance
- Lubricant Does Not Migrate Off the Target Surface
- Sterilized with Steam, EtO/EO, Gamma Radiation and E-Beam
- Compatible with COC, COP & PC, PP and PET

Plunger Tip Advantages

- Rust & Corrosion Prevention
- Moisture & Humidity Barrier
- Excellent Gas Barrier
- Extremely Low Outgassing
- Bio-compatibility
- Pin-hole Free Film
- Elongation up to 200%
- Ruggedizing
- Hydrophobic
- Dry Lubricity
- Optical Clarity
- Dielectric Strength: 6800-7000 Volts/mil
- Melting Temperature: 290°C (C), 410°C (N)
- Thickness Controllable Below 1.0 Microns
- Penetrates Difficult Aspect Ratios
- Parts Coated at Room Temperature
- Conforms to Precise Shape of Component
- Chemical Vapor Deposition (CVD) Process

Stock Syringes Available

- Silicone-Free Equinox Syringes Available in 1cc, 1.5cc and 3cc
- All Syringes are USP Class IV materials
- Class 7 & 8 Cleanroom Molding Available
- COC & COP - Glass Replacement Solutions Available
- Materials: PC, PP, Acrylic, Tryton and Others as Requested
- Class 6 Cleanroom Assembly
- Validations, Secondary Operations and Packaging
- Ask Us About Custom Syringe Options and Other Services

For additional information please call us at 262-248-2379
or visit us at www.plastechengineering.com.

Manufactured in the U.S. by:



plas-tech engineering

the right experience, the right answers