

FILLERS

Fillers are used to alter form and function of resins. Some may decrease shrinkage, increase or decrease weight, assist in roto-casting, add thermo-conductive properties for vacuum forming, or alter appearance. Many types of fillers are versatile and offer one or more benefits. Recommended levels of additional filler are based on Total Resin Weight—A + B. Fillers are premixed to the A-side of mixture prior to blending both components. Example: Total Resin Weight is 200 Grams. Using ProliteFR @ 50% ratio, we add 100 Grams to mixture. Properly store all fillers in airtight, sealed containers to avoid moisture contamination.

CC-200

Limestone filler (off white color, fine particle size) used to lower cost and add weight to urethane and polyester resins. Recommended levels 50-200%.

FUMED SILICA

Thickening Agent that is added to Urethane, Silicone, Epoxy and Polyester Resins. Create trowel-able paste-like consistencies at high loading levels.

GF-3000 - GLASS FILLER

Surface treated, high-density glass filler—35 microns. Good extender for creating greater scratch resistant surface and reducing shrinkage for master pieces. Recommended levels: 100-200%.

PE-380F - MINI FIBERS

Used to reinforce and thicken both RTV rubbers and resins for brush-up applications. *BETTER THAN CAB-O-SIL AND STRONGER THAN CHOPPED FIBERGLASS STRANDS.* Recommended level: 5% - 10% by weight.

PROLITE FR 50 (formerly—THERMOLITE)

Fly ash powder that reduces weight, improves paint adhesion, lowers exotherm and aids in roto-casting. Excellent as a release when casting hot white metal in silicone molds. Recommended levels 50% to resin weight for weight reduction. Add 20% to resin for roto-casting applications.

PHENOLIC MICROBALLOONS

Hollow phenolic microballoons are used to thicken and/or lighten most resins including epoxy, polyester, vinyl ester, and polyurethane. Phenolic microspheres are added to make a lightweight paste. They are easily sanded and will add strength and flexibility to the resin. You can add in fumed silica along with the phenolic microspheres to prevent sagging. We recommend pre-measuring the resin and hardener and mixing the phenolic microspheres in with the resin prior to adding the hardener to save your work life. Once the phenolic microspheres are thoroughly mixed into the resin, add the hardener. Phenolic microspheres are great when filling large gaps.

METAL POWDERS Bronze (CB-21) Copper (CC-11) Brass (CG-10) Iron (CI-30)

Used in resins to create beautiful polished "Cold Cast" metal sculptures or castings. Buff and polish the metallic castings and see the amazing results. Recommended levels: 200 - 300%.

DISCLAIMER: the information and data contained herein are based on information we believe is reliable. Each user of the material should thoroughly test application, and independently conclude satisfactory performance before commercializing. Suggestions of uses should not be taken as inducements to infringe on any patent. Silpak or Polytek Development Corp make no warranty expressed or implied, including warranties of merchantability or fitness for a particular use. Under no circumstances will Silpak or Polytek Development Corp. be liable for incidental, consequential or other damages, alleged negligence, breach of warranty, strict liability, tort, or any other legal theory arising out of the use or handling of this product.