

Worldwide New Product Announcement

May 04

For the last month we have been talking about a new series of Thin-Film Coatings, for use mainly in industrial environments that have been formulated to handle the rigors of Corrosion, Abrasion, and Wear, at temperatures to 500F(250C), and capable of being applied at our regional facilities. **These new coatings are now in stock in Orlando.** We offer five (5), basic formulations. all made from Peek™ with additives based on recommended use. They are as follows:

SP-315, the original Peek emulsion product, for use where maximum abrasion resistance is required. Handles Slurries and products such as Asphalt, Sulphur, Sludge, and Leachant.

SP-319, straight Peek emulsion, where hardness and wear resistance is a requirement. SP-319 has a Rockwell hardness of 65 on the "C scale. We can even add ceramic to increase the hardness level if required. For use on Rolling Cylinders, in newsprint, conveyor rollers etc.

SP-320, Peek emulsion with PFA Teflon®, for application inside, Valve Bodies, Pump casings, Pipe and Fittings, Heat Exchanger tubes and sheets, where fluids contain a % of High Alkaline chemicals, handle Food, Pharmaceutical grade chemicals or etching solutions in the Electronics Industry.

SP-321, Peek emulsion with PTFE Teflon®, affords us the Slippery of the slipperiest material, with Maximum release properties, for Die Cast and plastic injection molds, prevention of Scale build up in Heat exchanger tubes.

SP-322, Peek emulsion with Molly and Graphite where extreme pressure lubrication is needed.

All Peek emulsions pure or otherwise contain FDA acceptable ingredients **except** SP-322. The potential for these new coatings is **unlimited**. The formulations have better corrosion and chemical resistance than stainless, more equal to Monel, Nickel or Hastelloy. You can now coat parts from Mild steel with results equal to more **exotic and expensive alloys**. One more feature worth mentioning, is the ability to apply a layer of material and apply a second or 3rd.layer if necessary, to provide the degree of protection needed.

This product will **Melt** to itself, so build up is possible at areas where extra thickness is desirable such as pump shafts in areas where Bushing's are located.

A revised Pricelist to include these coatings and Data sheets complete with Test Standards met are forth coming. As one would expect the dielectric properties are impressive.SP-319, has a dielectric strength of 190 KVmm-1.