

# Polycraft Fumed Silica

Polycraft fumed silica is a medium surface fumed silica which enables a significant increase in viscosity in liquid systems, free flow of powders and reinforcement of silicone and organic rubbers.

## **All untreated fumed silicas are characterized by:**

- High purity
- Aggregated structure
- Submicron particle size
- Low bulk density
- Hydrophilic surface

## **Application Information**

### **Rheology Control for Coatings, Adhesive and other Liquid Systems**

Polycraft fumed silica is widely used to provide thickening, thixotropic (shear thinning), and anti-settling behavior in liquid systems. Polycraft fumed silica is most efficient in non-polar to medium polarity systems. For more polar systems, treated fumed silicas are more effective. This product offers an excellent balance of thickening efficiency and dispersibility.

### **Free-flow of Powder Systems**

When blended into sticky and poorly flowing powder systems, Polycraft fumed silica reduces the angle of repose and improves powder flow. During storage of powder systems, Polycraft fumed silica can reduce caking and blocking.

### **Reinforcement of Silicone and Organic Rubber**

Polycraft fumed silica can be used for reinforcement of silicone and organic rubbers. It imparts increases in hardness, tensile strength and elongation.