SCIENTIFIC POLYMER PRODUCTS, INC.
6265 DEAN PARKWAY ONTARIO NY 14519
WWW.SCIPOLY.COM

Technical Data Sheet

MATERIAL: Poly(caprolactone) triol

CATALOG NUMBER: 430

CAS NUMBER: 37625-56-2

DESCRIPTION: Trihydroxy terminated Poly(caprolactone)

FORMULA: $(C_6H_{10}O_2)_x(C_6H_{10}O_2)_x(C_6H_{10}O_2)_x\ C_6H_{14}O_3$

TYPICAL PROPERTIES:

Appearance:	Fused mass/viscous liquid
Approx Mn:	540
Viscosity:	180-230 cs (55°C)
Density:	1.08 (40°C)
Melting point:	17°C
Boiling point:	> 210°C
Freezing point:	-30°C
Flash point:	420°F
Hydroxyl number:	310mg KOH/g
Solubility:	THF, insoluble in water

GENERAL INFORMATION: Poly(caprolactone) triols undergo the usual reactions expected of primary alcohol functionality, including reaction with isocyanates, melamines or aminoplasts, and epoxides. Typical applications include use in polyurethanes for adhesives, sealants, coatings and elastomers, modifiers to flexibilize acrylic, polyester, vinyl and thermoset coatings, reactive diluents to increase the solids content of solvent-based coatings and epoxy flexibilizers for coating and molding applications.

STRUCTURE: