

## **TECHNICAL BULLETIN**

**PRODUCT:** POLYRAD 3000

POLYRAD 3000 is a higher molecular weight radiation curable polyester resin. It possesses both acrylate and methacrylate functional groups that react via free radical initiation. As full cure is achieved, POLYRAD 3000 exhibits excellent low shrinkage properties. Inks and coatings based on POLYRAD 3000 exhibit toughness and abrasion resistance.

POLYRAD 3000 is compatible with all types of reactive diluents, and with all types of photoinitiators.

### **PHYSICAL PROPERTIES:**

Density (g/cm <sup>3</sup> )	1.2000 ± 0.0025
Tg	50.0° ± 2.5° C
Coefficient of Thermal Expansion	$\alpha_1 = 70 \pm 2$
Shrinkage (TGA @ 300°C)	< 1.0%
Molecular weight (avg.)	3000
Weight Solids	>99.0%
Viscosity (@ 40°C)	>100000 m·Pa

For further information, please direct your inquiries to:

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