

# SCD 1091: Oil-Free Polyester Resin

**Description:**

SCD 1091 is designed specifically for excellent adhesion to a variety of metal and plastic substrates. It also offers a hardness/flexibility ratio at low temperature cure cycles while retaining excellent film properties. When modified with SCD 1040, less than 3.0 pounds/gallon V.O.C. coatings can be formulated with SCD 1091.

**Performance:**

**EXCELLENT:** Low Temperature Cure Response  
 Adhesion (substrate and intercoat)  
 Less than 3.0 lb/gal V.O.C.  
 Hardness/Flexibility Ratio  
 Chemical Resistance  
 Exterior Durability

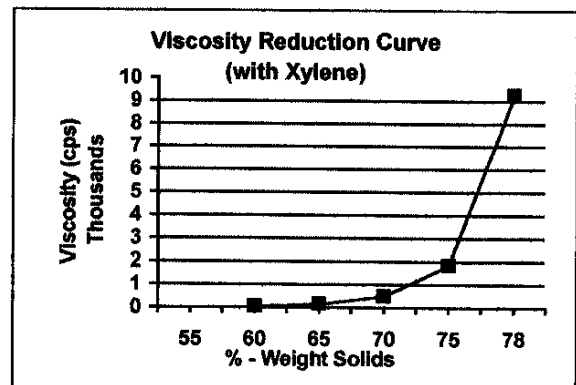
**Uses:**

- High solids baking enamels
- Machinery coating
- Metal furniture
- Appliances
- Automotive OEM
- Plastic Substrates
- Farm and Implement Enamels
- Rail Car Enamels
- Transportation

**Recommended Crosslinkers**

Melamines, glycolurils, or isocyanates

Typical Analysis	
% Resin	85
% Solvent	15
Solvent	Xylene
Viscosity (G-H)	Z3+
Color (Gardner)	<1
Density ( lbs./gal)	9.05
Acid No. (Neat)	6.0
Molecular Weight (MWn-Theo)	1000
Hydroxyl Number (Neat)	192
Hydroxy Equiv. Wt. (Neat)	292
Hydroxyl Content (wt,0%, neat)	5.8
Determined % NVM	79



Note: SCD 1091 appears in the EPA Toxic Substance Control Act Chemical Substance Inventory. The information and recommendations contained herein are based on data believed to be correct. However, it is not to be taken as a warranty or guarantee for which we assume legal responsibility nor as permission or recommendation to infringe any patented invention without a license. The information is offered solely for the customer's consideration, investigations, and verification. The manufacturer's only obligation shall be to replace such quantity of the product proven to be defective.