

# SUPREME RESINS

D-7/7, MIDC PHASE I, DOMBIVLI (EAST)

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## TECHNICAL DATA SHEET BISPHENOL RESIN - SPR 601

SPR 601 is a Bisphenol based Unsaturated Polyester Resin. It gives excellent hydrolytic stability and chemical resistance to corrosive chemicals at high temperatures. It has good wetting and adhesion to glass fibers which enhances its mechanical properties.

It is used in making storage and transportation tanks in chemical and corrosive environment.

### Physical Properties

Appearance	Clear Pale Yellow Liquid
Specific gravity @ 30°C	1.07 ± 0.01
Acid Value, mgKOH/g	8 ± 2
Volatile content, % by wt.	48 ± 2
Viscosity @ 30°C Brookfield Viscometer, cPs	300 ± 50
Gel Time, minutes at 30°C 1.5% v/w Promoter 1.0% v/w Cobalt Octoate (3% Co) 2.0% v/w MEKP (8% Active Oxygen)	8 ± 2
Peak Exotherm Temperature, °C	190 – 200

### Properties of Cured Resins

Heat Deflection Temperature (HDT)	100°C
Water Absorption	0.10 %
Barcol Hardness	45
Total Volume Shrinkage	8 %
Flexural Strength	115 MPa
Flexural Modulus	3900 MPa
Elongation at Break	2%
Tensile Strength	60 MPa
Tensile Modulus	3600 MPa

