

SUPREME RESINS

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

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TECHNICAL DATA SHEET CLEAR CAST RESIN - SPR 401

SPR 401 is an Unsaturated Polyester Resin with clear and transparent appearance. It has good mechanical and physical properties.

It is mainly used in Sculptures, Idols, Table Tops, etc.

Physical Properties

Appearance	Clear Transparent Liquid
Specific gravity @ 30°C	1.10 ± 0.01
Acid Value, mgKOH/g	25 ± 2
Volatile content, % by wt.	36 ± 2
Viscosity @ 30°C Brookfield Viscometer, cPs	325 ± 50
Gel Time, minutes at 30°C 2.0% v/w MEKP (8% Active Oxygen)	8 ± 2
Peak Exotherm Temperature, °C	180 – 190

Properties of Cured Resins

Heat Deflection Temperature (HDT)	90°C
Water Absorption	0.10 %
Barcol Hardness	40
Total Volume Shrinkage	8 %
Flexural Strength	115 MPa
Flexural Modulus	3700 MPa
Elongation at Break	2%
Tensile Strength	60 MPa
Tensile Modulus	3400 MPa