



Technical Data Sheet

QUPOL - 198 P - Unsaturated Ortho Polyester Resin

General Description:

QUPOL-198P is an Ortho-Phthalic acid based resin with medium reactivity and gel time.

Applications:

With good overall handling and mechanical properties, QUPOL-198P is especially recommended for all general purpose laminating.

Typical Properties – Liquid Resin:

Viscosity (25°C) Mpa's	600 – 800
Solid Content %	62 – 65
Styrene Content %	35 – 38
Acid Value (Mg KOH/g)	16 – 35
Appearance	Transparent
Stability (Unanalyzed in dark @ 25°C) Months	6
Density (20°C) Kg/m	1100 – 1150
Gel – Time (SPI) Minutes @ 25°C	8 – 13



Typical Physical Properties (Cast Unfilled Resin):

Tensile Strength MPa	55 – 65
Tensile Modulus MPa	3100 – 3400
Elongation at Break %	2.0 – 2.5
Flexural Strength MPa	80 – 100
Flexural Modulus MPa	3200 – 4000
Heat Distortion Temp (ASTM 648-56) °C	60 – 65
BARCOL Hardness (GYZJ 934-1)	45

Delivery Forms:

QUPOL-198P can be delivered as a pre-accelerated version, or a Thixotropic version with modified Styrene content to suit any individual client needs. These two versions are provided on special request only.

Important Note:

The information given herein is based on our current tests and experience. Since the usage of resin supplied is subject to many varying factors, and different processing conditions, all of which are out of our control, the submitted data does not imply any legally binding assurance of properties or suitability for any specific application.