Sulaiman Al-Qudaibi Co.
For Resin Products

شركة سليمان القضيبي
لإنتاج الدائن

P.O. Box: 5090, 13051 Safat, Kuwait. Tel: (+965) 4744429/39/59, Fax: (+965) 4744775, E-Mail: info@alqudaibi.com

Technical Data Sheet

QUPOL – 192 I – ISO Polyester Resin

General Description:

QUPOL-192I is an Isophthalic acid based resin with medium reactivity and gel time. It displays excellent balance of mechanical properties with optimized elongation and heat distortion temperature.

Applications:

QUPOL-192I can be fully recommended for the construction of superior boats and other items in which high structural performance is demanded, such as chemical plants and pipes.

Typical Properties – Liquid Resin:

Viscosity (25°C) Mpa's	900 – 1200
Solid Content %	60 – 65
Styrene Content %	35 – 40
Acid Value (Mg KOH/g)	16 – 28
Appearance	Transparent
Stability (Unanalyzed in dark @ 25°C) Months	6
Density (20°C) Kg/m	1100 – 1170
Gel – Time (SPI) Minutes @ 25°C	10 – 13

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Typical Physical Properties (Cast Unfilled Resin):

Tensile Strength MPa	55 – 60
Tensile Modulus MPa	2600 – 3100
Elongation at Break %	3.0 – 3.5
Flexural Strength MPa	125 – 140
Flexural Modulus MPa	4500 – 4800
Heat Distortion Temp (ASTM 648-56) ^{o}C	85 – 95
BARCOL Hardness (GYZJ 934-1)	40

Delivery Forms:

QUPOL-192I 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 the 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.