

# **TECHNICAL DATA SHEET**

## **Resin Characteristics**

Isophthalic unsaturated polyester resin Medium reactivity – Medium viscosity UV stabilized

#### Versions

Thixotropic (T) Preaccelerated (P) Blue Indicator (B) Low Styrene Emission (L)

### Molding Technique

Hand Lay-up Spray-up Filament winding

# End Products

Parts that will be exposed to mild chemical environment, storage tanks, boats, marine parts

#### Remarks

Good chemical resistance Contains UV absorbers Good compatibility with fiber Good elongation

### Liquid Properties

Viscosity <sup>1</sup>	450-650	ср
Solid Content	60-65	%
Acid Value	15-25	mgKOH/g
Gel Time <sup>2</sup>	10-20	minutes

 $^1$  25°C, sp4 50  $^2$  25°C, 1ml 1% Co solution, 1ml Butanox M60 per 100g resin

*Mechanical Properties of Non Reinforced Clear Castings*<sup>3</sup>

Tensile Strength	70	Mpa	ISO 527
Elongation at Break	3.5	%	ISO 527
Tensile Modulus	3100	Mpa	ISO 527
Flexural Strength	125	Mpa	ISO 178
Flexural Modulus	3200	Mpa	ISO 178
HDT	85	°C	ISO 75A
Hardness	40	Barcol	934-1

<sup>3</sup> Samples post cured 3 hours at 80°C and 1 hour at 100°C.

#### **Stability**

The resin is stable for 6 months if stored in original packaging in a dry, well ventilated area away from direct sunlight. The storage temperature must not exceed 25°C.

# Packaging

Available in Bulk 1000kg IBC 220kg Drums 18kg Cans

### Note

Please contact our technical staff to have more information on the chemical resistance data.

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