

A-50 , Ortho phthalic base liquid polyester resin of a semi rigid type, low viscosity and high reactivity with high impact resistance , especially projected for the construction of sea craft , pipes and other FGRP products.

RESIN CHARACTERISTICS (BEFORE POLYMERISATION)

PROPERTY	STANDARD
State	Liquid
Monomer content %	38-42
Viscosity @ 25 ° C (Brookfield viscometer)	260-320 centi poises
Aspect	Clear Amber
Hazen colouring	<150
Lovibond colouring : Red component	0.2
Lovibond colouring : Yellow component	1.5
Lovibond colouring : Blue component	0.0
Specific gravity @ 20 ° C	1.12 ± 0.07
Refractive index @ 25 ° C	1.54 ± 0.007
Acid index (mg KOH / g resin)	26 ± 3
Conservation @ 25 ° C in closed package min.	6 months

POLYMERIZATION CHARACTERISTICS

The polymerization can also be effected in cold, in this case, the addition of an accelerator is necessary. The following indicates the gel time obtained in standard work conditions, which can serve as an approximate indication.

Accelerator	Catalyst	Temperature	Gel time (min.)	Peak temp.
C3 1%	M8 2%	25 ° C	10-15	200-210 ° C

C3 = COBALT OCTOATE OF 1.5 % Co

M8 = MEK PEROXIDE OF 50%

Please note that the gel time is the standard that we produce however, we can modify to suite your requirment

N.B *since operating conditions in the user's plant are beyond our control . we cannot assume liabilities which may result from the use of our product .*

Rev.01