

HM – 190, Ortho phthalic base liquid polyester resin of a semi rigid type, medium viscosity and low reactivity . its applied in filled systems , submitted to heat curing .

RESIN CHARACTERISTICS (BEFORE POLYMERISATION)

PROPERTY	STANDARD
State	Liquid
Monomer content %	33 - 36
Viscosity @ 25 ° C (Brookfield viscometer)	500-600 centi poises
Aspect	Nearly colourless
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 ± 0.03
Refractive index @ 25 ° C	1.546 ± 0.005
Acid index (mg KOH / g resin)	23 ± 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	150-165 ° 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 operatinge conditions in the user's plant are beyond our control . we cannot assume liabilities which may result from the use of our product .*

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