

DITECH

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TECHNICAL BULLETIN

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**DITECH
L-50-180-A**

TYPE OF POLYESTER

DITECH L-50-180-A is a liquid unsaturated polyester resin, thixotropic, promoted for polymerization at room temperature.

During storage some separation of the thixotropic agent may occur. It is therefore recommended that the resin be thoroughly mixed prior to its use. This will ensure the application of a homogeneous resin.

PRINCIPAL CHARACTERISTICS

- 1) Excellent wetting of fiberglass rovings resulting in faster rollout and reduced laminate porosity.
- 2) Very slow cure with low exotherm provides for lower shrinkage and reduced levels of premature demoulding in thick laminates.
- 3) Formulated for low styrene emissions.
- 4) Non air-inhibited, resulting in good surface polymerization. Good sanding and grinding properties.
- 5) The addition of peroxide is confirmed visually by the change in color of the resin from pink-violet to amber.

TYPICAL PROPERTIES OF LIQUID DITECH L-50-180-A

Viscosity, Brookfield RVF at 25° C, Spindle #2 @ 20 rpm)..... 550-650 cps
Relative Density..... 1.10 - 1.12
Color pink-violet

TYPICAL GEL TIMES OF DITECH L-50-180-A

Resin temperature 25° C
Fiberglass weight 1800g/square meter (4 x 1.5 OZ)
Glass content 30%

Catalyst level (Cadox M-50)	1.0%
Gel time (pot-life)	35-40 min.
Laminate gel time (working time)	40-45 min.
First Barcol (1-10)	210-300 min.

11/07