

P 104 GENERAL PURPOSE ORTHOPHTHALIC RESIN

Fully formulated unsaturated polyester resin system designed for general purpose hand or spray lay-up applications. Exhibits excellent glass fibre wetting properties, good weathering properties and is thixotropic to limit drainage on vertical or inclined surfaces. Specifically formulated to produce laminates of good colour and low resin to glass ratios. Contains a small percentage of wax added to achieve a tack-free finish and facilitate sanding, however wax free, and non thixo versions available.

NOTE : P 104 WF is the unwaxed version of P104AT

NOTE : P104A is the non-thixotropic version of P104AT

SPECIFICATIONS

Viscosity @ 25 deg C	450 - 600 CPS
Thixotropic Index	1.8 +
Volatile Matter Content	38 - 42%
Acid Value	15 - 20 mgKOH/g
Specific Gravity	1.10 - 1.12
Uncatalysed stability in the dark @ 25 deg C	6 months

CURING CHARACTERISTICS

Gel Time	15 - 20 min
Time to peak	25 - 30 min
Peak Exotherm	+/- 160 deg C

- Cure characteristics are those obtained using a 100g sample catalysed 2 % MEKP
- Cure time is defined as the time taken from the addition of the MEKP (1) until the attainment of the maximum exotherm (Peak Exotherm)

NOTE :

1 Eg : MEKP NA1 ex A.E.C.I.

2 Under no circumstances should less than 1% of MEKP be used to cure unsaturated polyesters. We would recommend a minimum value of 1.5% MEKP be used in industrial applications to allow for any measuring inaccuracies.

**STANDARD UNFILLED CASTING
(Tested to SABS 713 - 1974)**

TESTS	TOLERANCE	TYPICAL
Deflection Temperature (deg C)	62	64
Water Absorption after 28 days immersion @ 23 deg C (mg)	120 max	113
Loss in mass after drying (mg)	100 max	73

PROPERTIES OF A 3 X 450 CSM LAMINATE

Flexural Strength	210 MPa
Tensile Strength	120 MPa

SABS TESTING DOES NOT INDICATE RESIN HAS APPROVAL

Storage :

Six months from date of manufacture if kept in closed opaque containers at 20 - 25 deg C.