

TEMPORARY DATA SHEET

HTG 150

HTG 150 is a system formulated to offer a very good resistance to temperature associated to high mechanical resistances.

Thanks to its low viscosity, it offers a very good impregnation of all the types of fibres and fillers. It can be used by hands lay up, RTM, casting or filament winding.

Thanks to the very low exothermic peak with slow hardener, casting of 15 cm of filled resin can be done at one time.

CAUTION : At room temperature, HTG 150 will not achieve enough resistance to take a laminate off the mould. We recommend, to make a "pre curing " of the laminate inside the mould 8 hours at 60 ° C. Then, take the laminate off the mould and proceed as suggested for post curing.

It is very important to respect the following ratios between resin and hardener

SYSTEM

| | Resin | Slow Hardener |
|---------------------------|--------|---------------|
| Density at 20°C (g/m3) | 1.15 | 1.00 |
| Appearance | liquid | liquid |
| Viscosity at 20°C (Cps) | 8 500 | 80 |
| Mixing Ratio by weight | 100 | 32 |
| Mixing Ratio by volume | 100 | 39 |

AFTER MIXING

| | |
|--|--------|
| Density at 20°C (g/m3) | 1.10 |
| Appearance | liquid |
| Viscosity of the mixture at 30°C (Cps) | 750 |
| Pot life 100 gr. at 20°C | 6 h 00 |
| Exothermic peak for 100 gr. at 20°C (°C) | 180 |

MECHANICAL PROPERTIES tested on a laminate made with 35 % of a twill E glass fabric

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|--|--|
| Curing schedule | 8 h at 60° + 4 h at 90° + 4 h at 120° + 4 h at 150°C |
| Tensile Modulus (Mpa) (NF T51-034) | To be confirmed |
| Tensile resistance maxi (Mpa) | To be confirmed |
| Bending Modulus (Mpa) (NF T51 – 001) | To be confirmed |
| TG max (°C) | 150 |

CAUTION

Use in a well ventilated area. May cause irritation. Avoid prolonged or repeated skin contact and wear the appropriate protective equipment. If contact with skin does occur, wash the affected area thoroughly with soap and water, do not use solvents. If in contact with the eye rinse immediately with plenty of water and seek medical advice. Ensure all persons likely to work, or come into contact with these products have been provided with the correct safety instructions.

Any technical recommendations given by us are not binding on us. Prospective users should conduct their own trials to determinate whether our products are suitable for the intended purpose. Our liability is governed by our general conditions of sales.

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