

ENYDYNE® H 89295 FA

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Product type

Unsaturated polyester resin in styrene, DCPD

Appearance

White

Main resin characteristics

Low styrene emission, Preaccelerated, Very good glass wet-out

Main applications

General purpose,
Furnitures and sanitary

Moulding informations

Hand lay up and Spray up

Shelf life and storage

Store in the shade, out of direct sunlight. Keep storage temperature below 25°C. Unseal container just before use. Shelf-life will be reduced reaching higher temperature.

Precaution for handling

The final Fire resistance properties could change following the final structure of the piece and its use's condition. It will be necessary to verify the final properties on a prototype before industrial production.,
Read carefully the Safety Data Sheet

Note

FEATURES OF THE LIQUID RESIN

| <i>Properties</i> | <i>Test Method</i> | <i>Unit</i> | <i>Typical values</i> |
|--|-----------------------|-------------------|-----------------------|
| Specific weight at 20°C | | g/cm ³ | 1,55 |
| Brookfield viscosity at 23°C, sp 3 rpm 50 | MT-CU025V | mPa.s | 650 - 800 |
| Solid content | MT-CU001C | % | 74 - 78 |
| Reactivity | at 23°C + 1,5% MEKP50 | | |
| Gel time | MT-CU151R | minutes | 10 - 14 |
| 23°C - Peak | MT-CU151R | minutes | 24 - 34 |
| Exothermic peak | MT-CU151R | °C | 65 - 85 |
| Shelf life at 23°C in the dark | MT-CU002S | months | 4 |

PROPERTIES OF THE CURED UNREINFORCED RESIN

| | | | |
|----------------------------|---|-----|-------------|
| Curing cycle | 16 h at 40°C + 2 h at 90°C (+ 2 h at 120°C for HDT) | | |
| Tensile strength | ISO 527 (2012) | MPa | 35 |
| Tensile modulus | ISO 527 (2012) | MPa | 3450 |
| Elongation at break | ISO 527 (2012) | % | 1,1 |
| Flexural strength | ISO 178 (2011) | MPa | 70 |
| Flexural modulus | ISO 178 (2011) | MPa | 3500 |
| HDT | ISO 75 -2A (2013) | °C | 74 |

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