

ENYDYNE® I 68871 A

First Emission: 23/01/2017

Version: 02, 17/05/2017

Product type

Unsaturated polyester resin in styrene, DCPD

Appearance

Green - Light - Transparent

Main resin characteristics

Low viscosity, Medium reactivity, Preaccelerated,
Reduced fibre print-through, Very good glass wet-out

Main applications

General purpose

Moulding informations

Hand lay up and Spray up,
Injection moulding, RTM

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

Read carefully the Safety Data Sheet

Note

FEATURES OF THE LIQUID RESIN

| Properties | Test Method | Unit | Typical values |
|---|-----------------------|-------------------|----------------|
| Specific weight at 20°C | | g/cm ³ | 1,12 |
| Brookfield viscosity at 23°C, sp 2 rpm 50 | MT-CU023V | mPa.s | 130 - 170 |
| Solid content | MT-CU001C | % | 56 - 60 |
| Reactivity | at 23°C + 1,5% MEKP50 | | |
| Gel time | MT-CU151R | minutes | 65 - 85 |
| 23°C - Peak | MT-CU151R | minutes | 95 - 115 |
| Exothermic peak | MT-CU151R | °C | 85 - 105 |
| Shelf life at 23°C in the dark | MT-CU002S | months | 6 |

PROPERTIES OF THE CURED UNREINFORCED RESIN

| | | | |
|----------------------|---|-----|------|
| Curing cycle | 24h at 23°C + 2h at 100°C + 1h at 100°C | | |
| Tensile strength | ISO 527 (2012) | MPa | 53.2 |
| Tensile modulus | ISO 527 (2012) | MPa | 3720 |
| Elongation at break | ISO 527 (2012) | % | 1.70 |
| Flexural strength | ISO 178 (2011) | MPa | 90 |
| Flexural modulus | ISO 178 (2011) | MPa | 3400 |
| HDT | ISO 75 -2A (2013) | °C | 87 |
| Volemetric shrinkage | | % | 7.2 |

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