

## ENYDYNE® H 68233

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### Product type

Unsaturated polyester resin in styrene, DCPD

### Appearance

Amber

### Main resin characteristics

High reactivity, Medium viscosity

### Main applications

General purpose

### 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

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> |
|--|------------------------------------|-------------------|-----------------------|
| <b>Specific weight at 20°C</b>                   |                                    | g/cm <sup>3</sup> | <b>1,11</b>           |
| <b>Brookfield viscosity at 23°C, sp 2 rpm 50</b> | MT-CU023V                          | mPa.s             | <b>380 - 480</b>      |
| <b>Solid content</b>                             | MT-CU001C                          | %                 | <b>67 - 71</b>        |
| <b>Reactivity</b>                                | at 23°C + 1,2% Co 1% + 1,5% MEKP50 |                   |                       |
| <b>Gel time</b>                                  | MT-CU152R                          | min:sec           | <b>10:30 - 13:30</b>  |
| <b>23°C - Peak</b>                               | MT-CU152R                          | minutes           | <b>17 - 23</b>        |
| <b>Exothermic peak</b>                           | MT-CU152R                          | °C                | <b>140 - 160</b>      |
| <b>Shelf life at 23°C in the dark</b>            | MT-CU002S                          | months            | <b>9</b>              |

## PROPERTIES OF THE CURED UNREINFORCED RESIN

|                            |   |     |             |
|----------------------------|---|-----|-------------|
| <b>Curing cycle</b>        | 16 h at 40°C + 2 h at 90°C (+ 2 h at 120°C for HDT) |     |             |
| <b>Tensile strength</b>    | ISO 527 (2012)                                      | MPa | <b>45</b>   |
| <b>Tensile modulus</b>     | ISO 527 (2012)                                      | MPa | <b>2734</b> |
| <b>Elongation at break</b> | ISO 527 (2012)                                      | %   | <b>6,81</b> |
| <b>Flexural strength</b>   | ISO 178 (2011)                                      | MPa | <b>85</b>   |
| <b>Flexural modulus</b>    | ISO 178 (2011)                                      | MPa | <b>2498</b> |
| <b>HDT</b>                 | ISO 75 -2A (2013)                                   | °C  | <b>74</b>   |

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