

NORSODYNE® H 13223 TAEP

First Emission: 07/10/2016

Version: 4, 22/08/2023

Product type

Unsaturated polyester resin in styrene, Orthophthalic

Appearance

White

Main resin characteristics

Low reactivity
Low styrene emission
Pigmented
Preaccelerated
Thixotropic

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

As the resin includes a film-forming agent, we recommend that the laminate should first be rubbed down before bonding or relaminating. Read carefully the Safety Data Sheet. Stir the resin before use, without introducing air.

FEATURES OF THE LIQUID RESIN ⁽¹⁾

| Properties | Test Method | Unit | Typical values |
|--|-----------------------|---------|------------------|
| Brookfield viscosity at 23°C, sp 2 rpm 50 | MT-CU T23V | mPa.s | 450 - 650 |
| Solid content | MT-CU 001C | % | 58 - 62 |
| Reactivity | at 23°C + 1,5% MEKP50 | | |
| Gel time ⁽²⁾ | MT-CU 151R | minutes | 14 - 18 |
| 23°C - Peak | MT-CU 151R | minutes | 27 - 37 |
| Exothermic peak | MT-CU 151R | °C | 95 - 115 |
| Storage stability at 23°C in the dark | MT-CU 002S | months | 3 |

1) Thoroughly test in your applications before full-scale use. Gel times may vary due to the reactive nature of these materials and due to different brands of curing additives. Always test on small scale before formulating large quantities.

2) If present, Cobalt is herewith intended as octoate. Use of different Cobalt salts could result in different gel times. Always test on small scale before formulating large quantities.

PROPERTIES OF THE CURED UNREINFORCED RESIN ⁽³⁾

| | | | |
|----------------------------|---------------------------------------|-----|-------------|
| Curing cycle | 16 h at 40°C (+ 2 h at 120°C for HDT) | | |
| Tensile strength | ISO 527 (2012) | MPa | 57 |
| Tensile modulus | ISO 527 (2012) | MPa | 3715 |
| Elongation at break | ISO 527 (2012) | % | 2,3 |
| Flexural strength | ISO 178 (2011) | MPa | 98 |
| Flexural modulus | ISO 178 (2011) | MPa | 3630 |
| HDT | ISO 75-2A (2013) | °C | 64 |

3) Properties are typical values, based on material tested in our laboratories, but varies from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

Polynt S.p.A. - Via Enrico Fermi, 51 - IT - 24020 Scanzorosciate (BG).

Company subject to the direction and coordination of Specialty Chemicals International Ltd. The information contained in this document (which is to be intended only for explanatory purposes) is correct and accurate and is based on our technical and scientific knowledge and on literature at the date of publication. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing in the information contained in this document shall be deemed to be a warranty or a representation (explicit or implicit) by the manufacturer, and/or taken or construed as infringing of any existing patents. The manufacturer shall not be under any liability or responsibility for any of the information provided under this document or for any errors, omissions or misstatements, even with regard to results to be obtained through the use of the aforesaid information.