



Certificate no.:  
**TAK00002MW**

# TYPE APPROVAL CERTIFICATE

**This is to certify:**  
**that the Polyester Resins**

with type designation(s)  
**DISTITRON® 152**

issued to  
**Polynt S.p.A**  
**Scanzorosciate BG, BG, Italy**

is found to comply with  
**DNV class programme DNV-CP-0083 – Type approval – Polyester resin, vinylester resin, gelcoat and topcoat**  
**DNV rules for classification – High speed and light craft**  
**DNV standard DNV-ST-0342 – Craft**

## Application:

**Grade 2 resin for use in marine vessels in accordance with stated Rules/Standards.**

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**

Issued at **Hamburg** on **2026-04-14**

This Certificate is valid until **2031-04-13**.

for **DNV**

DNV local unit: **Italy/Malta CMC**

Approval Engineer: **Gisle Hersvik**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.  
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

## Product description

**DISTITRON® 152**, an unsaturated polyester resin in styrene, Isophthalic-Neopentyllic.

### Approved variants

|                    | Gel time, 25°C        | Brookfield viscosity, 25°C |
|--------------------|-----------------------|----------------------------|
| DISTITRON® 152 F   | 5:30 – 7:30 [min:sec] | 850 – 1150 [mPa·s]         |
| DISTITRON® 152 SC  | 54 – 67 [sec]         | 180 – 270 [mPa·s]          |
| DISTITRON® 152 SCD | 80 – 95 [sec]         | 180 – 270 [mPa·s]          |
| DISTITRON® 152 S1  | 80 – 95 [sec]         | 180 – 270 [mPa·s]          |
| DISTITRON® 152 S1D | 90 – 110 [sec]        | 180 – 270 [mPa·s]          |

The following properties have been verified by Type Testing of cured resin:

| Property                               | Test Method        | DISTITRON® 152                             |                   |      |
|----------------------------------------|--------------------|--------------------------------------------|-------------------|------|
| Fracture Elongation                    | ISO 527-1,2        | 4.4                                        | %                 | mean |
| Tensile Strength                       | ISO 527-1,2        | 73.3                                       | MPa               | mean |
| Water Absorption                       | ISO 62, Method 1   | 87.5                                       | mg                | mean |
| HDT                                    | ISO 75-2, Method A | 66.4                                       | °C                | mean |
| Tg                                     | ISO 6721-3         | 79.8                                       | °C                | msv  |
| Barcol Hardness                        | ASTM D2583         | 36                                         | -                 | msv  |
| Density                                | ISO 1183-1         | 1.1773                                     | g/cm <sup>3</sup> | msv  |
| Curing procedure used for Type Testing |                    | 24 hrs at room temperature, 24 hrs at 50°C |                   |      |

#### Legends:

mean: mean of Type Test results.

msv: manufacturer's specified value, verified to be within  $\pm 10\%$  of mean of Type Test results.

## Manufactured by

Polynt S.p.A., Via del Pruneto, 40, 52027 San Giovanni Valdarno (AR), Italy

## Responsibility

The Company (stated on the front page of this Certificate) takes the responsibility that both design and production are in compliance with Rules, Standards and/or Regulations listed on page 1 of this certificate.

## Application/Limitation

The approval covers the variants as listed above.

Any significant changes in design and / or quality of the material will render the approval invalid.

## Type Approval documentation

1.

## Tests carried out

Type Testing carried out in accordance with **Type Approval documentation**.

## Marking of product

Product shall be marked with *manufacturer's name and address*: **Polynt S.p.A., Italy** and *type designation*.

The marking is to be carried out in such a way that it is visible, legible and indelible. The marking of product is to enable traceability to the DNV Type Approval Certificate.

## Periodical assessment

The scope of the Periodical Assessment is to verify that the conditions stipulated for the Type Approval is complied with and that no alterations are made to the product design or choice of materials.



Job ID: **262.1-044940-1**  
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Periodical assessments (for Certificate Retention / Certificate Renewal) shall be performed according to DNV-CP-0338.

This certificate is only valid if required Periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

END OF CERTIFICATE