



Certificate no.:
TAK00002DJ

TYPE APPROVAL CERTIFICATE

This is to certify:
that the Polyester Resins

with type designation(s)
DAIPOLY® DN-370,
DAIPOLY® DN-371PTSY

issued to
Daily Polymer Corp.
Kaohsiung, Taiwan Region

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 according to stated Rules/Standards.

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

Issued at **Hamburg** on **2024-07-18**

This Certificate is valid until **2029-07-17**.

DNV local unit: **Kaohsiung**

for **DNV**

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 300,000 USD.



Form code: TA 251

Revision: 2023-09

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Product description

DAIPOLY® DN-370 and DAIPOLY® DN-371PTSY

Unsaturated isophthalic polyester resins for spray-up, hand lay-up and resin transfer moulding (RTM).

Approved variants

- DAIPOLY® DN-370 non-thixotropic, non-promoted, non-waxed, specifically for RTM.
- DAIPOLY® DN-371PTSY thixotropic, promoted, non-waxed, for spray-up and hand lay-up applications.

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

Property	Test Method	DN-371PTSY		
Fracture Elongation	ISO 527	1,5	%	mean
Tensile Strength	ISO 527	53,5	MPa	mean
Tensile Modulus	ISO 527	4,99	GPa	mean
Flexural Strength	ISO 178	83,1	MPa	mean
Flexural Modulus	ISO 178	3,68	GPa	mean
Water Absorption	ISO 62	54,9	mg	mean
HDT	ISO 75	60,1	°C	max.
Barcol Hardness	ASTM D2583	43	-	mean
Density	ISO 1183-1	1,18	g/cm ³	mean
Curing Procedure used for Type Testing		24 hrs at room temperature, 24 hrs at 50°C		

Legends:

mean = mean of Type Test results
max. = maximum value tested

Application/Limitation

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

Type Approval documentation

Tests carried out

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

Marking of product

Product/package shall be marked with *manufacturer's name*: **Daily Polymer Corp., Taiwan Region**, *type designation* and *Lot no.*, *Net Weight* and *Gross Weight*.

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.

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