POLYVANTIS

WARRANTY CONDITIONS

LEXAN™ EXELL™ D OB SHEET

10 YEARS warranty

TEN (10) YEAR LIMITED WARRANTY ON BREAKAGE & WEATHERING

LEXAN™ EXELL™ D OB sheet will not display excessive yellowing, loss of light transmission and will not break due to loss of impact strength through weathering as defined herein within ten (10) years of the date of sale by POLYVANTIS.

This limited written warranty is subject to the following conditions:

1.

The limited written warranty applies exclusively to sheet glazing produced by POLYVANTIS in Europe in optical bright opal white color (WH7D136O), used correctly as flat or curved glazing, handled, stored, processed, installed, and maintained according to POLYVANTIS contained in the Technical Manual.

2.

These sheets are protected against UV on both sides. The products can be cold curved and thermoformed. For forming, the following is applicable:

a. Forming shall not exceed a minimal sheet thickness of 50% of the original flat sheet thickness as measured over the total surface. This corresponds to a maximum draw ratio of 2:1.
b. The sheets can be cold formed into gentle curves of 175 times the sheet thickness. It can also be cold line bent under an angle of a maximum of 90° using ordinary workshop equipment.
c. These products are thermoplastic sheets which can be thermoformed into the desired geometry whilst retaining the UV resistance.

3.

This limited written warranty does not apply to sheet that has been scratched, abraded, or exposed to corrosive materials or chemicals.

4.

This limited written warranty is given only to the original purchaser of POLYVANTIS sheet and does not extend to any subsequent purchaser or transferee. Any warranty claim hereunder must be made immediately within the warranty period by specifying the claim in writing and submitting to POLYVANTIS the original sales receipt which must contain the name and address of the purchaser, the date of purchase, the complete product name, the lot number, and the volume purchased. On request of POLYVANTIS claimant must allow the material to be inspected on site and/or return the sheet to POLYVANTIS for testing.

5.

For the purpose of this limited written warranty:
Mechanical properties after 10 years:

a. The sheets will have a modulus of elasticity ≥ 1700 MPa after 10 years. The elastic modulus is measured in the tensile test according ISO 527 at 23 °C, as the average value established for 5 specimen with parallel faces which have been conditioned to the equilibrium state in the standard climate of 23 °C / 50% RH.

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b. The tensile strength will be ≥ 55 MPa. The tensile strength is measured in the tensile test according ISO 527 at 23 °C, as the average value established for 5 specimen with unscratched parallel faces which have been conditioned to the equilibrium state in the standard climate of 23 °C / 50% RH.

Optical properties after 10 years:

a. Yellowing will be determined by subjecting a cleaned sheet sample to Yellowness Index Test ASTM E313:2010. Any claims for sheet displaying a change in Yellowness Index of less than 6Δ compared with its original value, will not be accepted.

b. Loss of light transmission will be determined by subjecting a cleaned sheet sample to Light Transmission Test ASTM D1003:2011. Any claims for sheet displaying a loss of light transmission of 7% points or less compared to its original value, will not be accepted.

6.

POLYVANTIS reserves the right to investigate independently the cause of failure.

7.

If a claim under this limited written warranty is justified, POLYVANTIS will provide the purchaser with replacement material free of charge. accordance with the following schedule:

Time from Orig. Purchase Date	Material replacement
Up to 5 years	100%
in 6th year	75%
in 7th year	60%
in 8th year	45%
in 9th year	30%
in 10th year	15%

If replacement material cannot be provided within a reasonable period of time, POLYVANTIS may opt to refund the original purchase price paid to POLYVANTIS, or a portion thereof, in accordance with the above schedule.

8.

This limited written warranty shall be POLYVANTIS sole liability and customer's exclusive remedy for the products and all other claims for damages are excluded. This limited written warranty is in lieu of all other warranties (except of title), written or oral, statutory, express of implied, including any warranty of merchantability or fitness of purpose. This warranty shall be governed by the laws of the Netherlands.

9.

This limited written warranty has been issued on September 1st, 2024 and is restricted to LEXAN™ EXELL™ DOB material sold by POLYVANTIS after such date and supersedes all previously issued warranties for LEXAN EXELLDOB sheet, sold after said date. The validity of this limited written warranty is restricted to LEXAN EXELLDOB sheet, and this limited written warranty is the sole warranty for LEXAN EXELLDOB sheet.

This warranty is only valid for locations with a maximum annual IR solar radiation of 1700 kWh/m²

POLYVANTIS

Polycarbonate products are sold globally under the trademark LEXAN™ Film & Sheet, owned by SABIC or its subsidiaries or affiliates.

www.polyvantis.com

LEXAN™ POLYCARBONATE FILM & SHEET | Tough, Virtually Unbreakable

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