POLYVANTIS

WARRANTY CONDITIONS

PLASTECH™ LX2 Sheet



10 YEAR LIMITED WARRANTY

PLASTECH™ LX2 sheet, which is a polycarbonate material, will not break due to loss of impact strength through weathering and will not display excessive yellowing and loss of light transmission as defined herein, within ten (10) years of date of sale by POLYVANTIS.

This limited written warranty is subject to the following conditions:

1.

This limited written warranty applies solely to standards produced by POLYVANTIS in China with a minimum gauge of 6mm in the standard clear (112) , bronze (5109), green(GN8A081T), grey(713) used correctly as sloped, vertical or cold glazing, handled, stored, processed, installed and maintained according to POLYVANTIS recommendations contained in the Technical Manual. In all cases, the surface bearing the proprietary UV protection must be the only side exposed to direct sunlight and the effects of weather.

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. The sheets can be cold formed into gentle curves of 175 times the sheet thickness.
B. It can also be cold line bent under an angle of a maximum of 90° using ordinary workshop equipment.

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:

A. 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.

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.

B. 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.
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.

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 ten (10) year limited written warranty shall be governed by the laws of China.

9.

This warranty has been issued on August 20th 2021 and is restricted to PLASTECH LX2 sold by POLYVANTIS after such date and supersedes all previously issued warranties for the products mentioned above.

This limited written warranty has been issued on August 20th 2021
This warranty is only valid for China, Korea, Japan.

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