



## 10 Year Non Prorated Makrolon® Multi Wall Polycarbonate Product Warranty

Offered by Resolite and Produced by IMSA Plastics, S.A. de C.V.

IMSA, S.A de C.V. warrants its Makrolon® Multi Wall PC products for 10 (ten) years of the original purchase date against:

- Loss of light transmission in excess of 6% (six percent), compared to the original value when tested on clean, unscratched specimens according to ASTM D-1003.
- Change in Yellowness Index greater than 10 (ten) delta, compared to the original value when tested on clean, unscratched specimens according to ASTM D-1925.
- Loss of Rigidity; Makrolon® Multi Wall PC will retain its elasticity modulus  $\geq$  2,100 MPa according to ISO 527 (at 23°C and 50% RH), after 10 years.
- Makrolon® Multi Wall PC will not become brittle and will retain its tensile strength  $\geq$  50 MPa, according to ISO 527 (at 23°C and 50% RH).

Makrolon® Multi Wall PC (except 4 mm thickness), shall not break with the impact of hail. Breakage due to hail within meaning of this warranty is defined as at least 5 holes at different points on the surfaces of the sheet produced by 10 impacts during hail simulation \* in lab.

\*Hail Simulation: Testing using 20 mm diameter size plastic hail that hits the sheet surface with a speed of 21 m/s (1 joule of kinetic energy at room temperature).

If Makrolon® Multi Wall PC sheet fails to these conditions during the warranty period, IMSA will replace the damaged sheets or, in its case, refund the purchase price thereof.

In any case shall IMSA be liable for any amount greater than the purchase price of the sheet purchased pursuant to this agreement.

IMSA shall not be liable for the cost of removal of damaged sheets and/or installation of replacement sheets, including costs of transportation, storage, handling and/or fabrication of the sheets nor for any loss, damage, improper storage or misapplication of the product.

### Conditions:

This warranty applies only to Makrolon® Multi Wall PC sheet fabricated, transported, handled, installed, cleaned and maintained properly according to IMSA recommendations.

Standard Makrolon® Multi Wall PC is UV protected on one side of the sheet and therefore special care must be taken when installing; the UV protected side must be always placed on the exterior side of the installation for this warranty to be valid.

Makrolon® Multi Wall PC sheet must not be (adversely) affected by connecting, fastening and sealing elements.

For more information or questions, please contact:

Resolite (A Division of Stabilit America) 285 Industrial Drive, Moscow, TN 38057  
Phone: 901-877-3010 / [www.resolite.com](http://www.resolite.com)





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Makrolon® Multi Wall PC sheet does not provide abrasion resistance; therefore, this warranty does not cover defects and malfunction due to abrasion and scratches.

No warranties are extended due to yellowing or loss of light transmission caused by dirt, atmospheric deposits, scratches, breakage or other physical damage, nor to malfunction or deterioration of the sheet due to misuse, abuse and/or misplacing of the product.

This warranty excludes Makrolon® Multi Wall PC sheets that have been exposed to harmful chemical agents.

This warranty specifically excludes Makrolon® Multi Wall PC sheets that have been exposed to heat and/or vacuum treatment in order to be molded or formed, before or after installation.

### Applicability:

A complaint under this warranty will be considered:

- a) if caused within the warranty period.
- b) if made without delay during the warranty period.
- c) if an invoice issued by the salesperson is presented, showing the name and address of the buyer, the purchase date, complete product description and number of sheets purchased.

The warranties stated in this publication are in lieu of all other warranties (except of title), written or oral, statutory, express or implied including any warranty of merchantability or fitness for purpose.

### Product Liability Clause

This information and our technical advice, whether verbal, in writing or by way of trials- are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided- especially that contained in our safety data and technical information sheets- and to test products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility.

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