



We create chemistry

Irgastab® IS 2515 / IS 2580

Novel stabilizer systems for rotational molding resins

The benefits at a glance

Greater productivity through faster polymer densification

- Shortens cycle-times to reduce the energy consumption
- Broadens the processing window
- Faster bubble removal to enhance mechanical properties

Long-lasting protection against solar radiation

- Enable UV 8-12+ with Irgastab® IS 2580
- Enable UV 16-20+ with Irgastab® IS 2515

Significant sustainability benefits

- Reduced energy consumption from shorter cycles
- Extends the durability of the end product
- Saves time and material during production

Meets market and legislation requirements

- Broad food contact compliance

Rotomolding is a highly versatile manufacturing process that provides the advantage of design flexibility with low capital investment. However, rotomolding also requires long cycle times and is energy and labor intensive.

Rotomolded products are increasingly used for outdoor applications such as playground equipment, storage tanks, and traffic barriers. As a result it can be challenging to satisfy the demand for longer life expectancy in these applications.

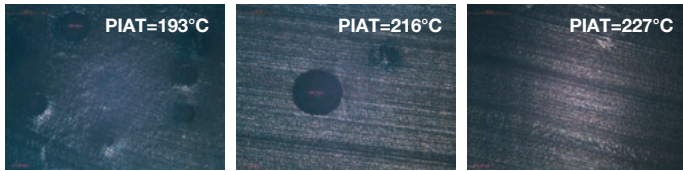
Irgastab® IS 2515/ IS 2580 are breakthrough stabilization systems designed specifically for Polyethylene rotational molding resins to improve productivity during the molding process and extend the service life expectation of the end products.

Faster bubble removal at lower temperature

Irgastab® IS 2580 FF



Control



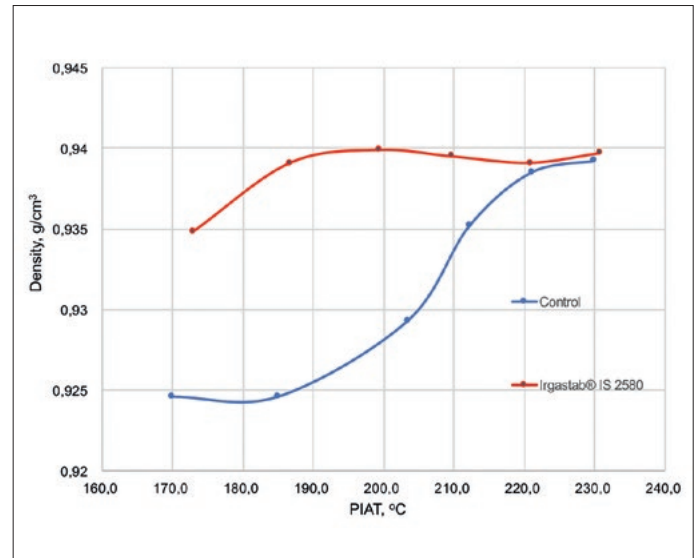
Polymer: LLDPE, C6, MI 3.6 0.9395 g/cm³

Molding at 550°F or 288 °C oven temperature

Magnification: 25x

*PIAT: Peak Internal Air Temperature

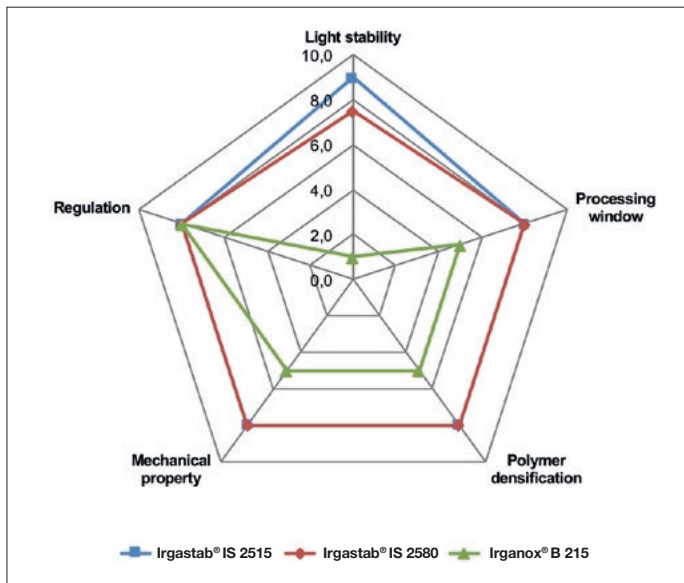
Faster densification during rotomolding processes



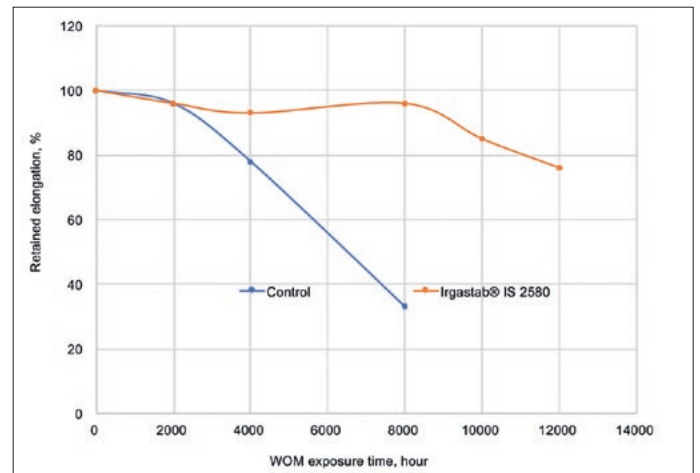
Polymer: LLDPE hexene, MI 5, 0.932 g/cm³

Molding at 525°F or 274 °C oven temperature

Irgastab® IS 2515 & IS 2580 fulfill demanding market requirements for outdoor applications



Outstanding weathering stability



Polymer: LLDPE hexene, MI 5, 0.932 g/cm³

Molding at 525°F or 274 °C oven temperature

Weathering as per ASTM G155 Cycle 1, 0.35 W/m²

Asia Pacific

BASF East Asia
Regional Headquarters Limited
Plastic Additives
45th Floor, Jardine House
No. 1 Connaught Place
Hong Kong
Phone: +852 2731-0111

Europe

BASF Lampertheim GmbH
Plastic Additives
Chemie Strasse 22
68623 Lampertheim
Germany
Phone: +49 621 60-0

Middle East

BASF Plastic Additives
Middle East S.P.C.,
Bahrain International
Investment Park (BIIP)
Road 1518, Al Hidd, 115
Kingdom of Bahrain
Phone: +973 17 585-252
+973 17 585-235

North America

BASF Corporation
Plastic Additives
100 Park Avenue
Florham Park, NJ 07932
USA
Phone: +1 800 431 2360

South America

BASF S. A.
Plastic Additives
Sede Administrativa
Av. das Nações Unidas
14.171, Morumbi
04794-000 São Paulo, SP
Brasil
Phone: +55 11 2039-3359

Email: plastic-additives@basf.com

Note

The descriptions, designs, data and information contained herein are presented in good faith, and are based on BASF's current knowledge and experience. They are provided for guidance only, and do not constitute the agreed contractual quality of the product or a part of BASF's terms and conditions of sale. Because many factors may affect processing or application/use of the product, BASF recommends that the reader carry out its own investigations and tests to determine the suitability of a product for its particular purpose prior to use. It is the responsibility of the recipient of product to ensure that any proprietary rights and existing laws and legislation are observed. No warranties of any kind, either expressed or implied, including, but not limited to, warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth herein, or that the products, descriptions, designs, data or information may be used without infringing the intellectual property rights of others. Any descriptions, designs, data and information given in this publication may change without prior information. The descriptions, designs, data and information furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for the descriptions, designs, data or information given or results obtained, all such being given and accepted at the reader's risk. (07/2020)

© = registered trademark of BASF SE