

PRODUCT DATA SHEET

POLYPROPYLENE

HG365FB

POLYPROPYLENE HOMOPOLYMER FOR FIBER APPLICATIONS

DESCRIPTION

HG365FB is a Polypropylene homopolymer product produced by the proprietary **Borstar®** process, intended for technical fiber applications like CF, BCF and staple fiber. HG365FB has a gas fading free stabilization package to avoid discoloration of the fibers.

APPLICATIONS

Staple fibers for nonwoven
CF (continuous filaments)
BCF (bulk continuous filament)
Carpet

SPECIAL FEATURES

High flow
Good resin purity, excellent spinning performance
Good processability
Gas fading free stabilization
Improved long term heat stability

PHYSICAL PROPERTIES

Property	Typical Value	Test Method
Density	900 -910 kg/m ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	24 g/10min	ASTM D1238
Melting temperature	160 -165 °C	ISO 3146
Molecular weight distribution	medium	
Flexural Modulus	1400 MPa	ISO 178
Tensile Modulus (1mm/min)	1400 MPa	ISO 527-2
Tensile Stress at Yield (50mm/min)	33.0 MPa	ISO 527-2

*Data should not be used for specification work

PROCESSING CONDITIONS

The actual conditions will depend on the type of equipment used and targeted applications. Average extrusion temperatures may be kept at 210 – 250°C.

Specific recommendations for processing conditions can be determined only when the application and type of equipment are known. Please contact your local Borouge representative for such particulars.

STORAGE

HG365FB should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

More information on storage can be found in Safety Information Sheet (SIS) for this product

SAFETY

The product is not classified as a hazardous preparation.

Please see our Safety Information Sheet (SIS) for details on various aspects of safety, recovery and disposal of the product, for more information contact your Borouge representative.

RECYCLING

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

RELATED DOCUMENTS

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

Safety Information Sheet
Statement on chemicals, regulations and standards

DISCLAIMER

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borouge makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose.

The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of Borouge products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

September 2023