PRODUCT DATA SHEET

15.11.2019 Ed.6

Polypropylene
HC600TF

Description
HC600TF is a polypropylene homopolymer intended for thermoformed packaging applications. The product is also suitable for the production of monofilaments,tapes, slit and split film

CAS-No. 9003-07-0

Applications
HC600TF is recommended for:

In line and off line thermoforming
Housewares and thin wall packaging
Margarine tubs and dairy containers
Mixing with copolymer
Carpet backing
Geotextiles
Sacking tapes
Stretch tape
Textile film yarns
Woven fabrics, ropes and twines

Special Features
HC600TF is optimised to deliver:

Very good contact clarity
Very good stiffness and impact balance
Very good processability
Very good melt stability

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Melt Flow Rate (230 °C/2,16 kg)	2,8 g/10min	ISO 1133
Flexural Modulus (5 mm/min) [1]	1.500 MPa	ISO 178
Melting temperature (DSC)	164 °C	ISO 11357-3
Crystallization temperature (DSC)	110 °C	ISO 11357-3
Heat Deflection Temperature (0,45 MPa)	85 °C	ISO 75-2
Vicat softening temperature A50 [1]	154 °C	ISO 306
Charpy Impact Strength, notched (23 °C)	4 kJ/m²	ISO 179/1eA

[1] Measured on injection moulded specimens, conditioned at 23 °C and 50 % relative humidity.

Processing Techniques
The actual conditions will depend on the type of equipment used.

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Storage
HC600TF 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 is found in our "Safety data sheet" / "Product safety information sheet".

Safety
The product is not classified as dangerous. Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis 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 data sheet" / "Product safety information sheet"
Statement on chemicals, regulations and standards
Statement on compliance to food contact regulations
Statement on Origin of Raw Materials

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.

Borealis 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 any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.

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