



# 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	Test Method
Data should not be used for specification work		
Melt Flow Rate (230 °C/2,16 kg)	2,8 g/10min	ISO 1133
Flexural Modulus (5 mm/min) <sup>1</sup>	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 <sup>1</sup>	154 °C	ISO 306
Charpy Impact Strength, notched (23 °C)	4 kJ/m <sup>2</sup>	ISO 179/1eA

<sup>1</sup> 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.**

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