

Product Data Sheet

Polypropylene HD631CF

DESCRIPTION

HD631CF is a Homopolymer product produced by the proprietary **Borstar®** process. This product is designed for non-oriented PP film manufactured by Tubular Quench / Cast film process.

HD631CF contains Slip and Antiblock.

APPLICATIONS

Textile packaging Film	Stationary Film
Multilayer co Extrusion Film	Food packaging Film
General Packaging	Lamination Film

SPECIAL FEATURES

Good Optics (Low Haze & High gloss)	Good Processability
Good Mechanical Properties	Good processability on FFS packaging line

PHYSICAL PROPERTIES

Property	Typical Value	Unit	Test Method
Density	900 – 910	Kg/m ³	ASTM D 792
Melt Flow Rate MFR (230 °C/2.16 kg)	10.0	g/10min	ASTM D1238
Flexural Modulus ¹	1500	MPa	ISO 178
Melting Temperature (DSC)	164	°C	ISO 3146
Vicat softening temperature A50, (10 N) ¹	154	Deg C	ISO 306

*Data should not be used for specification work

¹ Measured on Injection Molded specimens, conditioned at 23°C and 50% relative humidity

FILM PROPERTIES

Property	Typical Value	Unit	Test Method
Haze	2.0	%	ASTM D1003
Gloss at 20 degree (of arc)	100		ASTM D 2457
Tensile Modulus (MD / TD)	1000	MPa	ASTM D 882
COF	0.30		ISO 8295

Specific film values evaluated on Cast Film produced with Borouge internal standard conditions with a thickness of 50 µm. When compared to films which were produced under other conditions it should be taken into account that the film properties are strongly dependent on the processing conditions.

PROCESSING GUIDELINES

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

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.

FOOD CONTACT REGULATIONS

HD631CF fulfils the food contact regulations in most countries. For specific information and compliance statement please contact your Borouge representative.

STORAGE

The product 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 for this product.

SAFETY

The product is not classified as a hazardous mixture.

Dust and fines from the product carry a risk of dust explosion. All equipment should be properly earthed. Inhalation of dust should be avoided as it may cause irritation of the respiratory system. Small amounts of fumes are generated during processing of the product. Proper ventilation is therefore required.

A Safety Information Sheet is available on request. Please contact your Borouge representative for more details on various aspects of safety, recovery and disposal of the product.

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

Related statements are available on Borouge website www.borouge.com. If more information is required, please contact a Borouge representative for information.

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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