



Polypropylene SA233CF

Description

SA233CF is a very soft random heterophasic copolymer.

This grade is suitable for use on conventional blown film lines with air cooling.

CAS-No. 9010-79-1

Applications

SA233CF is designed for:

Hygienic film
Lamination films
Multi layer co-extrusion films

Frozen food packaging
Heavy-duty bags
Soft packaging films

Special features

SA233CF is optimised to deliver:

Superior softness
Outstanding mechanical properties
Excellent heat seal properties

Easy processing on standard blown film lines with air-cooling

Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Melt Flow Rate (230 °C/2,16 kg)	0,8 g/10min	ISO 1133
Flexural Modulus ¹	500 MPa	ISO 178
Melting temperature (DSC)	140 °C	ISO 11357-3
Molecular weight distribution	Medium	

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

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Film Properties

Specific film values evaluated on blown films, produced with Borealis internal standard conditions with a thickness of 50 µm.

Property	Typical Value	Test Method
Data should not be used for specification work		
Dart Drop	400 g	ISO 7765-1
Instrumented puncture test	15 J/mm	ISO 7765-2
Haze	< 20 %	ASTM D 1003
Gloss at 20 degree (of arc)	> 8	ASTM D 2457
Tensile Strain at Break	MD 700 %	ISO 527-3
Tensile Strain at Break	TD 800 %	ISO 527-3
Tensile Strength	MD 60 MPa	ISO 527-3
Tensile Strength	TD 50 MPa	ISO 527-3
Tensile Modulus	MD 500 MPa	ISO 527-3
Tensile Modulus	TD 500 MPa	ISO 527-3
Coefficient of friction	> 0,7	ISO 8295

Storage

SA233CF 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 polymer additives and BSE

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