



Polypropylene WG365C

Description

WG365C is filled polypropylene compound especially developed for seal-peel purposes. It contains finely dispersed inorganic filler. It can be used as such for cohesive peel-seals or as a blending component.

CAS-No. 9002-88-4
9003-07-0

Applications

WG365C is a grade suitable for extrusion coating or in cast film processes.

Physical Properties

Property	Typical Value	Test Method
Density	1620 kg/m ³	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	10 g/10min	ISO 1133
Filler content	40 %	ISO 3451

Data should not be used for specification work

Processing Techniques

WG365C can be processed on a normal LDPE designed line. Grade change from and to a typical LDPE is uncomplicated.

A standard temperature setting profile for a 4.5 inch screw would be:

Extruder	200-240-290-300-300°C
Adapter, pipe	285°C
Feed-block	300°C
Die	300°C

Naturally the final temperature setting profile depends on the line and the combination being run.

The product will absorb humidity and pre-drying before extrusion is therefore strongly recommended. Drying 6 hours in 90°C with predried air should be enough to dry the material sufficiently. Exact drying conditions depend on the equipment and should be adjusted case by case.



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Storage

WG365C 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.

Safety

WG365C is not classified as a dangerous preparation. Dust and fines from the product may give a risk for dust explosion. All equipment should be properly earthed. Inhalation of dust may irritate the respiratory system and should be avoided. During processing of the product small amounts of fumes are generated, which require proper ventilation.

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.

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.

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 Origin of Raw Materials
Statement on chemicals, regulations and standards
Statement on compliance to food contact regulations



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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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