



Polypropylene Quentys™ SF700CL

Description

Quentys™ SF700CL is a polyolefin based talcum filled compound. SF700CL in combination with other PP based compounds improves the recyclability of PV modules.

Applications

Quentys SF700CL is suitable for (thick) film extrusion for core layer in solar backsheet application.

Specifications

Quentys SF700CL when used as core layer is expected to meet the backsheet requirements included in the below mentioned standards provided it is processed using sound material handling, extrusion practices as well as appropriate testing procedures.

EN ISO 4892-2
IEC 60215-2: 2016
IEC 60216-5
IEC 60243-1

IEC 60664-1: 2007 clause 6, 1, 3, 5
IEC 61730-2: 2016
IEC 62701 clause 7, 8, 10
IEC 62716 clause 7, 8, 10

Special Features

Quentys SF700CL has a good dimensional and thermal stability, and displays a high resistance to hydrolysis under hot and humid conditions. Quentys SF700CL is furthermore resistant to UV without protective fluorinated layers and demonstrates good adhesion to Ethyl Vinyl Acetate (EVA) encapsulant film.

Physical Properties

Property	Typical Value	Test Method
	Data should not be used for specification work	
Density	1030 kg/m ³	ISO 1183-1/A
Melt Flow Rate (230 °C/2,16 kg)	7,5 g/10min	ISO 1133
Tensile Modulus	> 1.400 MPa	ISO 527-3
Tensile Strength	> 17 MPa	ISO 527-3

Processing Techniques

Please contact your Borealis representative for more details.

Storage

Quentys SF700CL has a shelf life of 12 months if stored in unopened original packaging, under dry and clean conditions at temperatures below 35 °C (< 95 °F). Direct sunlight and exposure to heat sources should be avoided.

Safety

This product does not require a Safety data sheet but a general Product safety information sheet can be provided.

For more information, contact your Borealis representative.

Quentys is a trademark of the Borealis group.

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Issuer:

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Product Management / Petar Doshev

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