



Polyethylene VS4580

Description

VS4580 is a high density polyethylene

This grade is especially designed for monofilament production.

Applications

VS4580 has been developed especially for applications like:

Ropes, twines, nets
Straps and brushes

Special features

Excellent processability
Outstanding optical properties

Outstanding mechanical properties

Physical Properties

Property	Typical Value	Test Method
	Data should not be used for specification work	
Density	958 kg/m ³	ISO 1183
Melt Flow Rate (190 °C/2,16 kg)	0,6 g/10min	ISO 1133
Melt Flow Rate (190 °C/21,6 kg)	21 g/10min	ISO 1133
Melting temperature (DSC)	134 °C	ISO 11357-3
Molecular weight	Medium	
Molecular weight distribution	Narrow	

Storage

VS4580 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 of the product.



Polyethylene VS4580

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 compliance to food contact regulations

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.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of Borealis' products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.