



# Polyethylene OE5325I

## Description

**OE5325I** is a copolymer of ethylene and vinyl acetate containing 25% vinyl acetate by weight. OE5325I contains BHT as thermal antioxidant.

## Applications

**OE5325I** is intended for use in industrial applications and is sold only for use in automotive, construction, pipe and wire and cable products.

## Physical Properties

Property	Typical Value	Test Method
<small>Data should not be used for specification work</small>		
Density	948 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (190 °C/2,16 kg)	2 g/10min	ISO 1133
Vinyl Acetate content by weight	25 %	Borealis Test Method
Tensile Strain at Break (250 mm/min)	781 %	ISO 527-2
Tensile Stress at Break (250 mm/min)	22 MPa	ISO 527-2
Melting temperature (DSC)	79 °C	ISO 11357-3
Vicat softening temperature	50 °C	ISO 306
Hardness, Shore A (1 s)	86	ISO 868
Hardness, Shore A (15 s)	86	ISO 868

## Processing Techniques

**OE5325I** copolymer shows excellent thermal stability, which allows higher processing temperatures, if needed. Additional stabilization could be required for longer exposure times. Corrosion-protected barrels, screws adapters and dies are recommended, since, at sustained melt temperatures above 230°C ethylene vinyl acetate resins may thermally degrade and release corrosive by-products.

## Storage

**OE5325I** should be stored in ambient room temperature 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

Please see the Safety data sheet (SDS) / Product safety information sheet (PSIS) for details on various aspects of safety, recovery and disposal of the products. For more information, contact your Borealis representative.



**Polyethylene**  
**OE5325I**

**Issuer:**

Marketing Energy / Linus Karlsson  
Product Management / Jenny Wang

**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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