



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 as polymer component in automotive, construction, pipe and wire & cable products.

Physical Properties

Property	Typical Value	Test Method
	Data should not be used for specification work	
Density	948 kg/m ³	ISO 1183
Melt Flow Rate (190 °C/2,16 kg)	2 g/10min	ISO 1133
Vinyl Acetate content	25 %	Internal 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	79 °C	Internal method
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.



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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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