Manufacturer website: https://www.ineos.com/businesses/ineos-olefins-polymers/

BPD2167

Product Technical Information

BPD2167 is an unstabilised low density thermoplastic polyethylene. It is designed for use in "Câble de façade" application and one step silane crosslinking insulation.
A carefully selected carbon black and additives master batch needs to be added to BPD2167 to reach the final "Cable de Façade" formulation. The best performance in terms of homogeneity, aging and anchorage tests is however obtained with the fully formulated black compound BPD8167, to which only the Silane mixture needs to be added.

Packaging

BPD2167 is sold in pellet form and is available in the following packaging: 25kg bags, 1.1 ton Holbins and bulk tankers.

Properties:

Properties		Test Method	Value	Units
Physical				
Melt flow rate		ISO 1133-1	0.2	g/10min
Conventional density		ISO 1183-1 & ISO 1872-1	930	kg/m³
Tensile strength	@ break	IEC 811-1-1	18	MPa
Elongation	@ break	IEC 811-1-1	>500	%
Electrical				
Dielectric constant	@ 50 Hz	ASTM D 150-2.2	2.3	
Dissipation factor	@ 50 Hz	ASTM D 150	400	µrad
DC volume resistivity	@ 23°C	ASTM D 257	10^{16}	Ωcm
Dieletric strength, short time		ASTM D 149	>22	kV/mm

***** Test on moulded crosslinked plaques prepared according to MTP 2006**.** Data should not be used for specification work

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Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.

Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com . Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

Exclusion of Liability

Although INEOS O&P Europe endeavours to ensure that all information and advice relating to our materials or other materials howsoever provided to you by INEOS O&P Europe is accurate and up to date, no representation or warranty, express or implied is made by INEOS O&P Europe as to its accuracy or completeness. All such information and advice is provided in good faith and INEOS O&P Europe is not, to the maximum extent permitted by law, liable for any action you may take as a result of relying on such information or advice or for any loss or damage, including any consequential loss, suffered by you as a result of taking such action.

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