Singapore
15.10.2006

POLYOLEFINS

Borstar® LE3362

Black Bimodal Polyethylene Compound

DESCRIPTION

Borstar LE3362 is a black, linear low-density polyethylene compound.

APPLICATIONS

Borstar LE3362 is a transition grade suitable for cable jacketing or pipe applications.

SPECIFICATIONS

Borstar LE3362 meets the applicable requirements as below when processed using sound extrusion practice and testing procedure:

- ASTM D 1248, Type I, Class C, Category 3, Grade J3, E4, E5, W2-4
- BS 6234: Type 03C, TS2
- IEC 60502, Type ST_3

PHYSICAL PROPERTIES

		Typical Value*	Unit	Test Method
Density, Base Resin		923	kg/m^3	ISO 1872-2/ISO 1183-D
Density, Compound		935	kg/m^3	ISO 1872-2/ISO 1183-D
Melt Flow Rate	(190°C. 2.16 kg)	0.35	g/10 min	ISO 1133
Melt Flow Rate	(190°C. 5.0 kg)	1.2	g/10 min	ISO 1133
Tensile Strength	(50 mm/min)	>12	MPa	ISO 527
Elongation	(50 mm/min)	>400	%	ISO 527
ESCR (50ºC, 10% Igepal), (no crack)		>1000	h	IEC 60811-4-1/B

* Data should not be used for specification work

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PROCESSING GUIDELINES

Borstar LE3362 provides excellent surface finish and high output rates over a broad range of conditions.

For extrusion standard PE-screws are recommended, but also screws designed for PVC can be used with good result.

If material preheating/pre-drying is used maximum recommended temperature is 90ºC.

DELIVERY

Form:	Granules
Package:	25 kg bags - 1.375 ton loads

SAFETY

Borstar LE3362 is not classified as a dangerous preparation.

The products are supplied in form of free-flowing granules of approximately 3 - 4 mm sizes and can be readily handled with commercially available equipment. Handling and transport of the products may generate some dust and fines, which constitute a potential hazard for dust explosion. All metal parts in the system should therefore be properly grounded. Properly designed equipment and good housekeeping will reduce the risk. Check and follow local codes and regulations!

Inhalation of any type of dust should be avoided as it may cause irritation of the respiratory system.

The products are intended for industrial use only. A Safety Data Sheet is available on request. Please contact your Borouge representative for more details on various aspects of safety, recovery and disposal of the product.

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