PRODUCT DATA SHEET

POLYETHYLENE

Borstar® HE2640

NATURAL HDPE FOR NON-PRESSURE UTILITY PIPES

DESCRIPTION

HE2640 is a natural HDPE, designed for non-pressure pipes. It has a high density level giving excellent radial stiffness. It is easy to extrude through narrow die gap and the narrow molecular distribution makes it ideal for blowing and forming to e.g. thin-walled corrugated pipes.

HE2640 is a natural stabilized compound that can be given the desired color by addition of suitable color master batch. If weather resistance is needed, a UV stabilizer has to be added.

APPLICATIONS

HE2640 is recommended for:

Non pressure utility pipes

KEY FEATURES

HE2640 offers excellent balance of process-ability and mechanical properties

Property	Typical Value*	Test Method
Density	950kg/m	ASTM D 792
Melt Flow Rate (190°C/5.0kg)	0.50 g/10min	ASTM D1238

* **Typical properties and data should not be used for specification work**

PROCESSING CONDITIONS

The actual extrusion conditions will depend on the type of equipment used. They will also depend on size and wall thickness of the pipe produced. The following conditions may be used as a guideline when starting up the extruder:

Max. preheating temperature 90°C
Cylinder 180 – 210°C
Head 200 – 210°C
Die 200 – 210°C
Melt temperature 200 – 210°C

Specific recommendations for processing conditions can be determined only when the applications and type of equipment is known. Please contact your local Borouge representative for such particulars.

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STORAGE

HE2640 should be stored in dry conditions at temperature bellow 60°C and protected from UV-light.

Improper storage can initiate degradation, which results in odor generation and can have negative effects on physical properties of this product.

More information on storage can be found in Safety Information Sheet (SIS) for this product.

SAFETY

HE2640 is not classified as dangerous preparation.

Dust and fines from the product may give a risk for dust explosion. All equipment should be properly earthed. Inhalation of dust may irritate the respiratory system and should be avoided. During processing of the product small amounts of fumes are generated, which require proper ventilation.

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 Information Sheet

Statement on chemicals, regulations and standards

STANDARDS

Borouge is certified to various ISO standards, please refer to Borouge.com for more information.

DISCLAIMER

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