



TotalEnergies

Refining & Chemicals
Polymers

Polyethylene HDPE ESD201B

Technical data sheet
High Density Polyethylene FUEL SYSTEMS
Produced in Europe

Description

HDPE ESD201B is a black electrically conductive compound manufactured from a high performance high density polyethylene.

HDPE ESD201B is suited for the production of high performance technical parts intended for use in explosive or hazardous atmospheres like mono and multi-layer fuel tank filler pipes or multi-layer IBC's, drums and jerry cans for non-food contact applications.

HDPE ESD201B key characteristics are:

Excellent long term conductivity of the end product

Excellent compatibility with (semi) high molecular weight polyethylene

Smooth processing on most equipment (mono or multi-layer blow moulding, injection moulding).

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm ³	0.995
Melt Flow Rate (190°C/21.6 kg)	ISO 1133/G	g/10 min	4.5
Surface resistivity	Internal method	Ohm/sq	Max 10000
Volume resistivity	Internal method	Ohm.cm	Max 10000
Flexural modulus	ISO 178	MPa	1200

(*) Data not intended for specification purposes

Processing

It is recommended to process HDPE ESD201B within the temperature range 190-250°C.

Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: www.polymers.totalenergies.com.

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