

## Description

HDPE 4206 B is a high performance black compound primarily intended for steel pipe coating applications.

HDPE 4206 B key characteristics are

- Superior mechanical properties under stress cracking as well as under impact conditions, ensuring long term integrity of the network
- An optimised additives formulation and finely dispersed carbon black providing outstanding long-term stability in service
- Excellent and durable adhesion properties, particularly in combination with the Trisys® 90 adhesive system
- HDPE 4206 B meets the major requirements in external 3 layer PE coatings: DIN 30 670, NF A 49 710, CAN /CSA-Z245.21, GOST R51164.

Designation ISO 1872-PE,H-ACGHL,40-D003

## Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	kg/m <sup>3</sup>	955
Melt Flow Rate (190°C/5 kg)	ISO 1133/T	g/10 min	2.0
Thermal stability 200°C	EN 728 / ISO 11357-6	min	> 20
Carbon black content	ISO 6964	%	> 2
Carbon black dispersion	ISO 18553	rating	≤ 3
Water content (**)	EN 12118	ppm	≤ 300

(\*) Data not intended for specification purposes

(\*\*) Measured at the stage of compound manufacturing

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## Processing

HDPE 4206 B can be processed under the following recommended conditions  
Adjustments may be useful depending upon the type of processing equipment used.  
Extrusion melt temperature 210-245°C  
Carbon black is hygroscopic; consequently drying of the compound is required to ensure that the water content does not exceed 300 ppm at the time of processing.

## 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.totalrefiningchemicals.com](http://www.totalrefiningchemicals.com)

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