PRODUCT DATA SHEET

05.02.2025 Ed.3

Polyethylene

CG8410

High Density Polyethylene

Description

CG8410 is a high-density polyethylene for extrusion coating.

Cas No. 25087-34-7

Typical characteristics

CG8410 can be described with following typical characteristics:

Good processability
High speed coating
Excellent moisture barrier properties
High grease resistance
Low friction
Increased surface hardness and stiffness

Extrusion coating of high volume production of boards and papers

Physical properties

Property	Typical value *	Unit	Test method
Density	941	kg/m³	ISO 1183-1/Method A
Melt flow rate (190 °C/2.16 kg)	8.5	g/10min	ISO 1133-1
Vicat softening temperature A50 (10 N)	105	°C	ISO 306
Melting temperature	129	°C	ISO 11357-3

* Data should not be used for specification work

Packaging and storage

CG8410 should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which can result in odour generation and colour changes and can have negative effects on the physical properties of this product. This material has a shelf life of 12 months after date of production, provided the material is stored under the aforementioned storage conditions

Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website www.borealisgroup.com.

Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency. Further information on sustainability and Design for Recycling (DfR) can be found from our websites www.borealisgroup.com and www.borealiseverminds.com.

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The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.
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It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.
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