

Borealis PE CG9620

High Density Polyethylene

Borealis AG

Technical Data

Product Description

CG9620 is a HDPE extrusion coating grade. It is suitable for wide a wide range of applications where either property enhancements or material down gauging is a target. Compared with standard LDPE the use of CG9620 enables improved water vapor barrier and higher temperature and grease resistance. Applying HDPE in extrusion coating is beneficial in cases where low surface friction (C.O.F.) or improved mechanical properties, like stiffness, are needed.

Due to the HDPE specific linear molecular structure it is recommended to use CG9620 in co-extrusion with autoclave coating LDPE (like CA8200). Processing of CG9620 does not require any extruder modifications.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Borealis AG		
Availability	• Europe	• North America	• South America
Features	• Autoclavable • Food Contact Acceptable • Good Stiffness	• Grease Resistant • High Density • Low Friction	• Moisture Barrier • Recyclable Material
Uses	• Coating Applications		
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	• Extrusion Coating

Physical	Nominal Value Unit	Test Method
Density	0.962 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12 g/10 min	ISO 1133

Thermal	Nominal Value Unit	Test Method
Melting Temperature (DSC)	131 °C	ISO 3146

Extrusion	Nominal Value Unit	Test Method
Cylinder Zone 1 Temp.	240 °C	
Cylinder Zone 2 Temp.	290 °C	
Cylinder Zone 3 Temp.	310 °C	
Cylinder Zone 4 Temp.	310 °C	
Cylinder Zone 5 Temp.	310 °C	
Melt Temperature	300 to 320 °C	
Die Temperature	310 °C	
Maximum Coating Speed	> 6.7 m/sec	Internal Method
Minimum Coating Weight	9.0 g/m ²	Internal Method

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.