

Borealis PE CG9620

High Density Polyethylene

Borealis AG

Message:

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 Information			
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	Internal Method
Die Temperature	310	°C	
Maximum Coating Speed	> 6.7	m/sec	

Minimum Coating Weight

9.0

g/m²

Internal Method

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Recommended distributors for this material

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