Daplen[™] EG203AE Polypropylene

Borealis AG

Technical Data

Product Description

Daplen EG203AE is a 20% mineral and elastomer modified polypropylene compound intended for injection moulding.

Daplen EG203AE is a material with excellent impact / stiffness ratio. Thanks to its outstanding low thermal expansion this material is suitable to mould parts requiring a low change of dimensions over a broad temperature range with excellent surface aesthetics.

Daplen EG203AE is optimised to give high quality parts with the best production efficiency in combination with a broad processing window. To achieve a sufficient level of adhesion for painting or gluing, the use of flaming or other pre-treatment is necessary.

Automotive exterior applications:

- · rocker panels
- exterior trims

Conoral

 Mineral, 20% Filler by Weight 	nt	
Good Impact ResistanceGood Stiffness	PaintableRecyclable Material	
 Automotive Applications 	 Automotive Exterior Parts 	Automotive Exterior Trim
 Pellets 		
 Injection Molding 		
	 Good Impact Resistance Good Stiffness Automotive Applications Pellets 	 Good Stiffness Automotive Applications Pellets Recyclable Material Automotive Exterior Parts

Nominal Value Unit	Test Method
1.04 g/cm ³	ISO 1183
25 g/10 min	ISO 1133
	ISO 294-4
0.60 %	
0.10 %	
Nominal Value Unit	Test Method
15.0 MPa	ISO 527-2/50
1250 MPa	ISO 178
Nominal Value Unit	Test Method
	ISO 179/1eA
5.0 kJ/m²	
35 kJ/m²	
No Break	ISO 179/1eU
	ISO 180/1A
4.5 kJ/m ²	
32 kJ/m²	
Nominal Value Unit	Test Method
	ISO 75-2/B
105 °C	
0.000050 cm/cm/°C	ISO 11359-2
	1.04 g/cm ³ 25 g/10 min 0.60 % 0.10 % Nominal Value Unit 15.0 MPa 1250 MPa Nominal Value Unit 5.0 kJ/m ² 35 kJ/m ² No Break 4.5 kJ/m ² 32 kJ/m ² Nominal Value Unit

The values listed as Molding Shrinkage, ISO 294-4, were tested in accordance with Borealis test methods. The value listed as CLTE, 11359-1, -2, was tested in accordance with DIN 53752.

Injection	Nominal Value Unit
Drying Temperature	80.0 °C
Drying Time	2.0 hr
Processing (Melt) Temp	220 to 260 °C
Mold Temperature	30.0 to 50.0 °C

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Injection

Injection Rate

Injection Notes

Screw Speed: slow to medium Holding Pressure: 50 to 70% of the injection pressure

Notes

¹ Typical properties: these are not to be construed as specifications.

Nominal Value Unit

Slow-Moderate

² 5.0 mm/min

