

Daplen™ EG340AE

Compounded Polypropylene

Borealis AG

Message:

Daplen EG340AE is a 30% mineral filled elastomer modified polypropylene compound intended for injection moulding. This material has excellent balanced mechanical properties, gives a good surface quality and is easy to process.

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Features	Good dimensional stability		
	Recyclable materials		
	Excellent appearance		
Uses	Application in Automobile Field		
	Car exterior decoration		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage ¹	0.75	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	2200	MPa	ISO 527-2
Tensile Stress (Yield)	19.0	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Flexural Modulus ²	2250	MPa	ISO 178
Flexural Stress	27.5	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.8	kJ/m ²	ISO 179/1eA
23°C	22	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	108	°C	ISO 75-2/B
1.8 MPa, not annealed	56.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	132	°C	ISO 306/A
--	46.0	°C	ISO 306/B
Injection	Nominal Value	Unit	
Mold Temperature	30.0 - 50.0	°C	

Holding Pressure	30.0 - 60.0	MPa
Injection instructions		
Feeding Temperature: 40 - 80 °C Mass Temperature: 220 - 260 °C Back Pressure: Low to Medium Screw Speed: Low to Medium Flow Front Speed: 100 - 200 mm/s		
NOTE		
1.	disk	
2.	2.0 mm/min	

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