

Daplen™ EF210AEB

Compounded Polypropylene

Borealis AG

Message:

Daplen EF210AEB is a 20% 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, 20% filler by weight		
Additive	UV stabilizer		
Features	High scratch resistance		
	Good UV resistance		
	Recyclable materials		
Uses	Car anti-collision bar		
	Application in Automobile Field		
	Car exterior decoration		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	23	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	18.0	MPa	ISO 527-2/50
Flexural Modulus ¹	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.5	kJ/m ²	ISO 179/1eA
23°C	50	kJ/m ²	ISO 179/1eA
Notched Izod Impact			ISO 180/1A
-30°C	5.5	kJ/m ²	ISO 180/1A
23°C	48	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	50.0	°C	ISO 75-2/Ae
Flammability	Nominal Value	Unit	Test Method
Flammability (1.00 mm)		mm/min	ISO 3795
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. 2.0 mm/min

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