

Daplen™ EE108AE

Compounded Polypropylene

Borealis AG

Message:

Daplen EE108AE is a 10% mineral filled elastomer modified polypropylene compound intended for injection moulding.

General Information			
Filler / Reinforcement	Mineral filler, 10% filler by weight		
Additive	UV stabilizer		
Features	High scratch resistance		
	Good UV resistance		
	Recyclable materials		
	Excellent appearance		
Uses	Application in Automobile Field		
	Automotive exterior parts		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.990	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/10)	30.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹	1100	MPa	ISO 178
Flexural Stress	22.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	ISO 179/1eA
-20°C	6.0	kJ/m ²	ISO 179/1eA
23°C	35	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	200	kJ/m ²	ISO 179/1eU
23°C	No Break		ISO 179/1eU
Notched Izod Impact			ISO 180/1A
-20°C	5.0	kJ/m ²	ISO 180/1A
23°C	22	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, not annealed	86.0	°C	ISO 75-2/B
1.8 MPa, not annealed	49.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	132	°C	ISO 306/A
--	45.0	°C	ISO 306/B
CLTE - Flow (23 to 80°C)	6.0E-5	cm/cm/°C	Internal method
Injection	Nominal Value	Unit	
Mold Temperature	30.0 - 50.0	°C	
Holding Pressure	30.0 - 60.0	MPa	
Injection instructions			
Mass Temperature: 220 - 260 °CBack Pressure: Low to MediumScrew Speed: Low to MediumFlow Front Speed: 100 - 200 mm/s			
NOTE			
1.	2.0 mm/min		

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