

Daplen™ EE189HP

Compounded Polypropylene

Borealis AG

Message:

Daplen EE189HP is a 15% mineral filled polypropylene compound intended for injection moulding.

This material has an excellent balance between impact strength and stiffness, gives a good surface quality and is easy to process.

General Information			
Filler / Reinforcement	Mineral filler, 15% filler by weight		
Features	Rigid, good		
	High scratch resistance		
	Impact resistance, good		
	Recyclable materials		
	Excellent appearance		
Uses	Automotive Window Encapsulation		
	Application in Automobile Field		
	Car interior parts		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.95	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	1700	MPa	ISO 527-2
Tensile Stress	21.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus ¹	1750	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	3.5	kJ/m ²	ISO 179/1eA
23°C	26	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	95	kJ/m ²	ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	94.0	°C	ISO 75-2/Be
1.8 MPa, not annealed	52.0	°C	ISO 75-2/Ae

Vicat Softening Temperature			
--	128	°C	ISO 306/A
--	51.0	°C	ISO 306/B
Flammability	Nominal Value	Unit	Test Method
Fogging ² (100°C)		mg	DIN 75201
Emission		µgC/g	VDA 277
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: 210 - 250 °C Back Pressure: Low to Medium Screw Speed: Low to Medium Flow Front Speed: 100 - 200 mm/s			
NOTE			
1.	2.0 mm/min		
2.	16 h		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

