

## Borealis Daplen™ EG102AI Polypropylene Compound 15% Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

### Material Notes:

Daplen EF102AI is a 15% mineral filled polypropylene compound intended injection molding. EG102AI is an easy flow grade, specially developed for the car industry. Daplen EF102AI has been developed for interior parts where high scratch resistance and excellent flowability is a necessity, including door cladding and door insert. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Daplen-EG102AI-Polypropylene-Compound-15-Mineral-Filled.php](http://www.lookpolymers.com/polymer_Borealis-Daplen-EG102AI-Polypropylene-Compound-15-Mineral-Filled.php)

Physical Properties	Metric	English	Comments
Density	0.999 g/cc	0.0361 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.0095 cm/cm	0.0095 in/in	Borealis Method
Melt Flow	26 g/10 min @Load 2.16 kg, Temperature 230 °C	26 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	40.0 MPa	5800 psi	H385/30; ISO 2039
Tensile Strength, Yield	20.0 MPa	2900 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	6.0 %	6.0 %	At 50 mm/min; ISO 527-2
Flexural Modulus	1.90 GPa	276 ksi	At 2 mm/min; ISO 178
Charpy Impact Unnotched	1.20 J/cm <sup>2</sup>	5.71 ft-lb/in <sup>2</sup>	ISO 179/1eU
	5.50 J/cm <sup>2</sup> @Temperature -20.0 °C	26.2 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 179/1eU
Charpy Impact, Notched	2.00 J/cm <sup>2</sup>	9.52 ft-lb/in <sup>2</sup>	ISO 179/1eA
	0.300 J/cm <sup>2</sup> @Temperature -20.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 179/1

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	ISO 75-2
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ISO 75-2
Vicat Softening Point	48.0 °C	118 °F	B (50N); ISO 306

Thermal Properties	130 °C Metric	266 °F English	A (10N): ISO 306 Comments
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Processing Properties	Metric	English	Comments
Melt Temperature	210 - 260 °C	410 - 500 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	

Descriptive Properties	Value	Comments
Emissions, ug C/g	80	VDA 277
Fogging %	1.4	At 100°C/ 16 hours

## Contact Songhan Plastic Technology Co.,Ltd.

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