

Borealis Daplen™ EE260AE Scratch Resistant Polypropylene Compound

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Daplen EE206AE is a 20% mineral and elastomer modified polypropylene compound intended for injection molding. Daplen EE206AE is optimized to provide excellent scratch resistance on gained and unpainted surfaces. As well it is optimized to fulfill highest request on surface aesthetics and long-term weathering resistance. Daplen EE206AE has been developed especially for body side molding, bumpers, and body panels. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Daplen-EE260AE-Scratch-Resistant-Polypropylene-Compound.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	Borealis Method
Melt Flow	13 g/10 min @Load 2.16 kg, Temperature 230 °C	13 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.99 MPa	3335 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	5.1 %	5.1 %	At 50 mm/min; ISO 527-2
Tensile Modulus	2.00 GPa	290 ksi	At 1 mm/min; ISO 527-2
Flexural Modulus	2.10 GPa	305 ksi	At 2 mm/min; ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	7.60 J/cm ² @Temperature -20.0 °C	36.2 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eU
Charpy Impact, Notched	3.40 J/cm ²	16.2 ft-lb/in ²	ISO 179/1eA
	0.250 J/cm ² @Temperature -30.0 °C	1.19 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA
	0.300 J/cm ² @Temperature -20.0 °C	1.43 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	ISO 75-2

Thermal Properties (at 1.8 MPa (264 psi))	Metric	English	Comments
Vicat Softening Point	52.0 °C	126 °F	B (50N); ISO 306
	130 °C	266 °F	A (10N); ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 °C	428 - 500 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China