

Borealis Daplen™ ED135AI TPO Compound

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO) , Polypropylene (PP) , TPO

Material Notes:

Daplen ED135AI is a 10% mineral filled grade intended for injection molding. ED135AI offers very good balance in stiffness/impact strength. Daplen ED135AI has been developed especially for the car industry, to be used in interior parts. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Daplen-ED135AI-TPO-Compound.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	Borealis Method
Melt Flow	6.0 g/10 min	6.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
	30 g/10 min	30 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 230 °C	@Load 11.0 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	33.0 MPa	4790 psi	H385/30; ISO 2039
Tensile Strength, Yield	17.00 MPa	2465 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	5.5 %	5.5 %	At 50 mm/min; ISO 527-2
Flexural Modulus	1.40 GPa	203 ksi	At 2 mm/min; ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	19.5 J/cm ²	92.8 ft-lb/in ²	ISO 179/1eU
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	5.50 J/cm ²	26.2 ft-lb/in ²	ISO 179/1eA
	0.600 J/cm ²	2.86 ft-lb/in ²	ISO 179/1eA
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.0 °C	189 °F	ISO 75-2

Thermal Properties	Metric	English	Comments
Vicat Softening Point	41.0 °C	106 °F	B (50N); ISO 306
	140 °C	284 °F	A (10N); ISO 306

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	17	VDA 277
Fogging %	94.5	At 100°C/3 hours
Fogging, mg	1.1	At 100°C/ 16 hours

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