

## Borealis Xmod™ MC55T1 Polypropylene Compound 10% Mineral Filled

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

### Material Notes:

Xmod MC55t1 is a 10% mineral filled grade based on HCPP intended for injection molding. Xmod has been developed especially for the car industry, to be used in interior parts. XMod offers very good balance in stiffness/impact strength. Xmod MC55T1 has been designed for pillar trims and other automotive interior parts. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Xmod-MC55T1-Polypropylene-Compound-10-Mineral-Filled.php](http://www.lookpolymers.com/polymer_Borealis-Xmod-MC55T1-Polypropylene-Compound-10-Mineral-Filled.php)

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in <sup>3</sup>	ISO 1183
Melt Flow	13 g/10 min	13 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	
	74.2 g/10 min	74.2 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	66.0 MPa	9570 psi	H 385/30; ISO 2039
Tensile Strength, Yield	26.3 MPa	3810 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	3.3 %	3.3 %	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	12.0 J/cm <sup>2</sup>	57.1 ft-lb/in <sup>2</sup>	ISO 179/1eU
	6.00 J/cm <sup>2</sup> @Temperature -20.0 °C	28.6 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 179/1eU
Charpy Impact, Notched	0.690 J/cm <sup>2</sup>	3.28 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 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	114 °C	237 °F	ISO 75-2

Thermal Properties <small>Deflection Temperature at 1.8 MPa (104 psi)</small>	Metric <small>59.0 °C</small>	English <small>128 °F</small>	Comments <small>ISO 75-2</small>
Vicat Softening Point	73.0 °C	163 °F	B (50N); ISO 306
	151 °C	304 °F	A (10N); ISO 306
Shrinkage	1.3 %	1.3 %	Borealis Method

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	48	VDA 277
Fogging, mg	0.2	At 100°C/ 16 hours

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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