

## Borealis Xmod™ K65G3 30% Glass Fiber Reinforced Polypropylene Compound

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

### Material Notes:

Xmod K65G3 is a 30% glass fiber reinforced grade intended for injection molding. Xmod K65G3 has been developed especially for the car industry, to be used UTB parts. Xmod K65G3 offers good balance in stiffness/impact strength. Xmod K65G3 has been designed for automotive UTB parts. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Xmod-K65G3-30-Glass-Fiber-Reinforced-Polypropylene-Compound.php](http://www.lookpolymers.com/polymer_Borealis-Xmod-K65G3-30-Glass-Fiber-Reinforced-Polypropylene-Compound.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ISO 1183
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	
	25 g/10 min	25 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	132 MPa	19100 psi	H 385/30; ISO 2039
Tensile Strength, Yield	103 MPa	14900 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	2.8 %	2.8 %	At 50 mm/min; ISO 527-2
Tensile Modulus	7.14 GPa	1040 ksi	At 1 mm/min; ISO 527-2
Flexural Modulus	5.90 GPa	856 ksi	At 2 mm/min; ISO 178
Charpy Impact Unnotched	4.00 J/cm <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	ISO 179/1eU
	3.70 J/cm <sup>2</sup> @Temperature -20.0 °C	17.6 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 179/1eU
Charpy Impact, Notched	0.740 J/cm <sup>2</sup>	3.52 ft-lb/in <sup>2</sup>	ISO 179/1eA
	0.610 J/cm <sup>2</sup> @Temperature -20.0 °C	2.90 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)	162 °C	324 °F	ISO 75-2

Thermal Properties <small>Deflection Temperature at 1.8 MPa (150 psi)</small>	Metric	English	Comments
Vicat Softening Point	136 °C	277 °F	B (50N); ISO 306
	165 °C	329 °F	A (10N); ISO 306
Shrinkage	0.80 %	0.80 %	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	

## Contact Songhan Plastic Technology Co.,Ltd.

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