

## Borealis Xmod™ HF006SA High Stiffness Polypropylene for Injection Molding Applications

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

### Material Notes:

Xmod HF006SA is a high melt flow PP homopolymer with increased crystallinity, intended for injection molding. Xmod HF006SA is specifically developed for applications demanding a high surface appearance and high stiffness. Xmod HF006SA is equipped for very good long term heat resistance, show excellent antistatic performance and meets the requirements for food contact regulations. Xmod HF006SA is intended for household applications like irons, coffee makers, fryers, food mixers, control panels washing appliances, and external panels refrigerators. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Xmod-HF006SA-High-Stiffness-Polypropylene-for-Injection-Molding-Applications.php](http://www.lookpolymers.com/polymer_Borealis-Xmod-HF006SA-High-Stiffness-Polypropylene-for-Injection-Molding-Applications.php)

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in <sup>3</sup>	ISO 1183
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	90.0 MPa	13100 psi	H 385/30; ISO 2039
Tensile Strength, Yield	41.0 MPa	5950 psi	At 50 mm/min; ISO 527-2
Tensile Modulus	2.10 GPa	305 ksi	At 1 mm/min; ISO 527-2
Flexural Modulus	2.00 GPa	290 ksi	At 5 mm/min; ISO 178
Charpy Impact, Notched	0.250 J/cm <sup>2</sup>	1.19 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	121 °C	250 °F	ISO 75-2
Vicat Softening Point	158 °C	316 °F	A (10N); ISO 306

Optical Properties	Metric	English	Comments
Gloss	82 % @Thickness 2.00 mm	82 % @Thickness 0.0787 in	20°, plaque; DIN 67530
	90 % @Thickness 2.00 mm	90 % @Thickness 0.0787 in	60°, 2 mm plaque; DIN 67530

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 °C	428 - 500 °F	Polymer Mass Temp
Mold Temperature	30.0 - 60.0 °C	86.0 - 140 °F	

## 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