

## BASF Capron® 8230G HS 6% Glass-Filled Nylon 6 (Conditioned) (discontinued \*\*)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 10% Glass Fiber Filled

### Material Notes:

Capron 8230G HS is a heat stabilized, 6% nylon 6 molding compound offering improved stiffness and dimensional stability in thin sections. It exhibits a combination of strength, stiffness and performance under load. It maintains excellent chemical resistance to greases, oils and hydrocarbons. It is available in natural and black. Capron 8230G HS is generally recommended for applications such as gears and consumer weed trimmer parts. ASTM Callout PA220 G06 A29140 UB032. Data provided by Allied Signal. Processing: Max. water content 0.16%. Product is supplied in sealed containers and drying is not required. If drying becomes necessary, a dehumidifying or desiccant dryer operating at 85°C (185 °F). Is recommended. Drying time is dependent on moisture level. Melt Temperature: 250-280 degC (482-536 degF). Mold Temperature: 80-95 degC (176-203 degF). Injection and Packing Pressure: 35-125 bar (500-1500psi) This product can be processed over a wide range of mold temperatures; however, for applications where aesthetics critical, a mold surface temperature of 80-95 degC (176-203 degF) is required. Injection pressure controls the filling of the part and should be applied for 90% of ram travel. Packing pressure affects the final part and can be used effectively in controlling sink marks and shrinkage. It should be applied and maintained until the gate area is completely frozen off. Back pressure can be utilized to provide uniform melt consistency and reduce trapped air and gas. A maximum of 3.5 bar (50 psi) is recommended to minimize glass fiber breakage. Fast fill rates are recommended to insure uniform melt delivery to the cavity and prevent premature freezing. Surface appearance is directly affected by injection rate. Capron® is no longer a part of the BASF standard line. The BASF nylon products have been consolidated in the Ultramid ® line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Capron-8230G-HS-6-Glass-Filled-Nylon-6-Conditioned-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_BASF-Capron-8230G-HS-6-Glass-Filled-Nylon-6-Conditioned-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in <sup>3</sup>	(Dry)
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM Data MD (Dry)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	40.0 MPa	5800 psi	ASTM data at 5 mm/min.
Flexural Yield Strength	55.0 MPa	7980 psi	ASTM Data
Flexural Modulus	1.52 GPa	220 ksi	ASTM Data

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	(Dry)

Processing Properties	Metric	English	Comments
Processing Temperature	275 °C	527 °F	See Materials Notes
Mold Temperature	95.0 °C	203 °F	See Materials Notes

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

## 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