

Vydyne® BG6ST01

polyamide 6



Vydyne BG6ST01 is an impact modified and 30% glass fiber reinforced PA6 for injection molded applications.

General				
Regional Availability	• North America	• Europe		
Additive	• Heat Stabilizer	• Release agent		
Features	• Good Strength	• High Rigidity		
Agency Rating	• ISO, 1043 PA6 I GF30			
Appearance	• Natural Color			
Forms	• Pellets			
Processing Method	• Injection Molding			

Physical	dry	cond.	Unit	Test Standard
Density	1.35	-	g/cm ³	ISO 1183

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	7900	-	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	138	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5	-	%	ISO 527-2

Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength				ISO 180/1A
+23°C	13	-	kJ/m ²	
-30°C	9	-	kJ/m ²	
-40°C	8	-	kJ/m ²	

Thermal	dry	cond.	Unit	Test Standard
CLTE				ISO 11359-2
Flow : 23 to 55°C, 2.00 mm	27	*	E-6/K	
Transverse : 23 to 55°C, 2.00 mm	87	*	E-6/K	

Electrical	Value	Unit	Test Standard
Comparative Tracking Index (3.00 mm)	550	V	IEC 60112

Injection	Value	Unit
Drying Temperature	80	°C
Drying Time	4 - 6	h
Suggested Max Moisture	0.2	%
Rear Temperature	230 - 240	°C

Vydyne® BG6ST01

polyamide 6



Middle Temperature	240 - 250	°C
Front Temperature	240 - 260	°C
Processing (Melt) Temperature	240 - 260	°C
Mold Temperature	60 - 80	°C

