



# TECHNICAL DATA SHEET

<b>PRODUCT CODE</b>	: BT2PA6GF30S
<b>PRODUCT DESCRIPTION</b>	: 30 % glass fiber reinforced, PA 6 resin for injection molding.
<b>PRODUCT CHARACTERISTICS</b>	
<i>Applications</i>	: Automotive Applications, Household Appliances, Electrical & Electronical Applications, General Applications, Industrial Applications, Consumer Applications
<i>Appearance</i>	: Black Color
<i>Forms</i>	: Pellets
<i>Processing Method</i>	: Injection Molding
<i>Features</i>	: Strength&Stiffness, Good Viscosity, Medium

	UNIT	TEST CONDITIONS	VALUE	TEST METHOD
<b>1. PHYSICAL PROPERTIES</b>				
DENSITY	gr /cm <sup>3</sup>	-	1.35	ISO 1183
Ash Content	%	750°C/30 min.	30± 2	ISO 3451
Mold Shrinkage <i>Parallel</i> <i>Perpendicular</i>	%	-	0,30 1,10	-
<b>2. MECHANICAL PROPERTIES</b>				
TENSILE STRENGTH AT BREAK	MPa	50 mm/min	≥ 120	ISO 527
TENSILE MODUL	MPa	50 mm/min	≥ 8000	ISO 527
IZOD IMPACT STRENGTH, NOTCHED	kJ/m2	Notched	≥ 6,5	ISO 180/A
<b>3. THERMAL PROPERTIES</b>				
HEAT DEFLECTION TEMPERATURE (HDT)	°C	1,80MPa 0,45MPa	- -	ISO 75A ISO 75B
<b>4. ELECTRICAL PROPERTIES</b>				
FLAMMABILITY	Class	1.6 mm	HB	UL94
Glow Wire Flammability Index (GWFI)	°C	2,0 mm	-	IEC 695-2-12
<b>5. PROCESSING CONDITIONS:</b>				
Drying Temperature	°C	-	80 – 90	-
Drying Time	Hour	-	2 - 4	-
Processing Temperature	°C	-	235 – 270	-

Mechanical properties measured at 23°C (73°F) unless otherwise stated.

The above values are typical of samples molded and tested in laboratory conditions. The actual values may vary depending on the processing conditions and end use.