



# TECHNICAL DATA SHEET

<b>PRODUCT CODE</b>	<b>: BT2PA6S</b>
<b>PRODUCT DESCRIPTION</b>	<b>: Unfilled, PA 6 resin for injection molding.</b>
<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>				
<b>DENSITY</b>	gr /cm <sup>3</sup>	-	1.13	ISO 1183
<b>Mold Shrinkage</b>	%	-	1,30 1,30	-
	<i>Parallel</i>			
	<i>Perpendicular</i>			
<b>2. MECHANICAL PROPERTIES</b>				
<b>TENSILE STRENGTH AT BREAK</b>	MPa	50 mm/min	≥ 50	ISO 527
<b>TENSILE MODUL</b>	MPa	50 mm/min	≥ 2600	ISO 527
<b>IZOD IMPACT STRENGTH, NOTCHED</b>	kJ/m <sup>2</sup>	Notched	≥ 5,00	ISO 180/A
<b>3. THERMAL PROPERTIES</b>				
<b>HEAT DEFLECTION TEMPERATURE (HDT)</b>	°C	1,80MPa 0,45MPa	- -	ISO 75A ISO 75B
<b>4. ELECTRICAL PROPERTIES</b>				
<b>FLAMMABILITY</b>	Class	1.6 mm	HB	UL94
<b>5. PROCESSING CONDITIONS:</b>				
Drying Temperature	°C	-	80 – 90	-
Drying Time	Hour	-	2 - 4	-
Processing Temperature	°C	-	235 – 260	-

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.

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