

**Badamid® B70 TC S2**

PA6

Bada AG

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>9000 / 7000</b>	MPa	ISO 527
Stress at break	<b>100 / 75</b>	MPa	ISO 527
Strain at break	<b>2.9 / 3.3</b>	%	ISO 527
Charpy impact strength, +23°C	<b>70 / 85</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>6 / 8</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>222 / *</b>	°C	ISO 11357-1/-3

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>1E13 / -</b>	Ohm*m	IEC 62631-3-1

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>8 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>3 / *</b>	%	Sim. to ISO 62
Density	<b>2330 / -</b>	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Processing humidity	<b>≤0.15</b>	%	-
Melt temperature	<b>250 - 270</b>	°C	-
Mold temperature	<b>40 - 60</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Thermally Conductive

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa