

**Tarnamid® T-27 GF15 AT**

PA6-GF15

Grupa Azoty S.A.

<b>Processing/Physical Characteristics</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	<b>45 / *</b>	cm <sup>3</sup> /10min	ISO 1133
Temperature	<b>275 / *</b>	°C	-
Load	<b>5 / *</b>	kg	-
Molding shrinkage, parallel	<b>0.5 / *</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>7600 / -</b>	MPa	ISO 527
Tensile Strength	<b>105 / -</b>	MPa	ISO 527
Strain at break	<b>4 / -</b>	%	ISO 527
Flexural modulus, 23°C	<b>6000 / -</b>	MPa	ISO 178
Charpy impact strength, +23°C	<b>35 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>3.5 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	<b>3.5 / -</b>	kJ/m <sup>2</sup>	ISO 180/1A
Ball indentation hardness	<b>220 / -</b>	MPa	ISO 2039-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>221 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>190 / *</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>205 / *</b>	°C	ISO 306
Burning behav. at thickness h	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>3.2 / *</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Surface resistivity	<b>* / 6.2E11</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Humidity absorption	<b>1.03 / *</b>	%	Sim. to ISO 62
Density	<b>1400 / -</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Injection Molding

**Delivery form**

Granules, Black

**Special Characteristics**

Heat stabilized or stable to heat

**Applications**

Automotive, Building Construction, Electrical and Electronical

**Regional Availability**

Europe