

**Badamid® PA612 GM30 H**

PA612-GF30

Bada AG

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>4900 / -</b>	MPa	ISO 527
Stress at break	<b>85 / -</b>	MPa	ISO 527
Strain at break	<b>12 / -</b>	%	ISO 527
Charpy impact strength, +23°C	<b>80 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>60 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>12 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>11 / -</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>218 / *</b>	°C	ISO 11357-1/-3
Burning behav. at 1,5 mm nom. thickn. Thickness tested	<b>HB / *</b> <b>1.5 / *</b>	class mm	IEC 60695-11-10 -
Burning behav. at thickness h Thickness tested	<b>HB / *</b> <b>0.8 / *</b>	class mm	IEC 60695-11-10 -

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>1E12 / -</b>	Ohm*m	IEC 62631-3-1
Electric strength	<b>38 / -</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>600 / -</b>	-	IEC 60112

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>1.5 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>0.7 / *</b>	%	Sim. to ISO 62
Density	<b>1260 / -</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>240 - 280</b>	°C	-
Mold temperature	<b>60 - 80</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

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