

**Badamid® PA12 CF20/GF10 S3**

PA12-(CF+GF)30

Bada AG

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>9800 / -</b>	MPa	ISO 527
Stress at break	<b>140 / -</b>	MPa	ISO 527
Strain at break	<b>4 / -</b>	%	ISO 527
Charpy impact strength, +23°C	<b>60 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>17 / -</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>178 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>150 / *</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>170 / *</b>	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>1.5 / *</b>	mm	-
Burning behav. at thickness h	<b>HB / *</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8 / *</b>	mm	-

<b>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Volume resistivity	<b>10 / -</b>	Ohm*m	IEC 62631-3-1

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1190 / -</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>4 - 8</b>	h	-
Processing humidity	<b>≤0.15</b>	%	-
Melt temperature	<b>220 - 260</b>	°C	-
Mold temperature	<b>40 - 60</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Increased electrical conductivity, U.V. stabilized or stable to weather

**Regional Availability**

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