

**Badamid® PPA CF15 TF15 SiM S1**

(PPA+PTFE)-CF15

Bada AG

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>13000 / 12500</b>	MPa	ISO 527
Stress at break	<b>190 / 170</b>	MPa	ISO 527
Strain at break	<b>1.7 / 2</b>	%	ISO 527
Charpy impact strength, +23°C	<b>50 / 60</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>7 / 10</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>313 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>280 / *</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>290 / *</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	<b>30 / *</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	<b>60 / *</b>	E-6/K	ISO 11359-1/-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>			
Comparative tracking index	<b>100 / -</b>	-	IEC 60112

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>4.5 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>1.4 / *</b>	%	Sim. to ISO 62
Density	<b>1300 / -</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>120</b>	°C	-
Pre-drying - Time	<b>2 - 4</b>	h	-
Processing humidity	<b>≤0.05</b>	%	-
Melt temperature	<b>330 - 350</b>	°C	-
Mold temperature	<b>135</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Additives**

Lubricants

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Tribologic Grade

**Regional Availability**

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