

**Product Texts**

Starflam AFR682A1 is a flame retardant, mineral filled PA66 for injection molded applications.

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Tensile Modulus	<b>7500 / -</b>	MPa	ISO 527
<sup>[C]</sup> Stress at break	<b>70 / -</b>	MPa	ISO 527
<sup>[C]</sup> Strain at break	<b>2.8 / -</b>	%	ISO 527
<sup>[C]</sup> Charpy impact strength, +23°C	<b>30 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy impact strength, -30°C	<b>30 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
<sup>[C]</sup> Charpy notched impact strength, +23°C	<b>3 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA
<sup>[C]</sup> Charpy notched impact strength, -30°C	<b>2 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA

[C]: CAMPUS

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
<sup>[C]</sup> Coeff. of linear therm. expansion, parallel	<b>35 / *</b>	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Coeff. of linear therm. expansion, normal	<b>45 / *</b>	E-6/K	ISO 11359-1/-2
<sup>[C]</sup> Burning Behav. at 1.5 mm nom. thickn.	<b>V-2 / *</b>	class	IEC 60695-11-10
<sup>[C]</sup> Oxygen index	<b>32 / *</b>	%	ISO 4589-1/-2

[C]: CAMPUS

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

[C]: CAMPUS

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<sup>[C]</sup> Humidity absorption	<b>0.6 / *</b>	%	Sim. to ISO 62
<sup>[C]</sup> Density	<b>1600 / -</b>	kg/m <sup>3</sup>	ISO 1183

[C]: CAMPUS

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Release agent

**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

**Regional Availability**

North America, Europe, Asia Pacific