

Product Texts

Starflam RF0068E is a glass fiber reinforced, flame retardant PA66 for injection molded applications. The material is halogen free and red phosphorus free.

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	10700 / 8900	MPa	ISO 527
^[C] Stress at break	133 / 110	MPa	ISO 527
^[C] Strain at break	2.2 / 2.5	%	ISO 527
^[C] Charpy impact strength, +23°C	61 / 59	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	56 / 53	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	8.7 / 9.9	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	9.1 / 9.1	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	259 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	239 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	257 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	26 / 26	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	0.8 / *	%	Sim. to ISO 62
^[C] Humidity absorption	0.9 / *	%	Sim. to ISO 62
^[C] Density	1430 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Additives

Release agent

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free, Heat stabilized or stable to heat

Regional Availability

North America, Europe