

Product Texts

Starflam R10002E is a flame retardant PA66/6 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	4100 / 2300	MPa	ISO 527
^[C] Charpy impact strength, +23°C	55 / 68	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	52 / 24	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	3.6 / 4.6	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	2.5 / 2.6	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	74 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	189 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	26 / 20	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.6 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.8 / *	%	Sim. to ISO 62
^[C] Density	1180 / -	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