

Product Texts

Starflam PZ0042E is a 20% glass filled, flame retardant PA6 for injection molded applications. The material is halogen free and red phosphorus free.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.7 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	5900 / 2800	MPa	ISO 527
^[C] Stress at break	87 / 45	MPa	ISO 527
^[C] Strain at break	3.2 / 11	%	ISO 527
^[C] Charpy impact strength, +23°C	33 / 78	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	32 / 40	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	3.8 / 9.8	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	3.9 / 4.2	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	222 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	192 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	215 / *	°C	ISO 75-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	27 / 26	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.7 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.8 / *	%	Sim. to ISO 62
^[C] Density	1310 / -	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