

Product Texts

Starflam FR350J NT0727 is an unreinforced, halogenated flame-retardant PA66 compound designed with excellent glow wire ignition temperature (GWIT). It exhibits excellent strength and ductility, allowing increased flexibility in product design needed for living hinges and snap fits. FR350J NT0727 provides enhanced flow and is lubricated for machine feed and easy mold release.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	1.4 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.7 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	3400 / 1700	MPa	ISO 527
^[C] Yield stress	75 / *	MPa	ISO 527
^[C] Yield strain	4 / *	%	ISO 527
^[C] Stress at 50% strain	* / 47	MPa	ISO 527
^[C] Strain at break	* / >50	%	ISO 527
^[C] Charpy notched impact strength, +23°C	3.4 / 6.1	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	3.2 / 3.3	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	265 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	79 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	218 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	60 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	62 / *	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
^[C] Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.4 / *	mm	-
Yellow Card available	yes / *	-	-
^[C] Burning Behav. 5V at thickness h	5VA / *	class	IEC 60695-11-20
Thickness tested	1.5 / *	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	>1E13 / 3.5E9	Ohm*m	IEC 62631-3-1
^[C] Comparative tracking index	325 / -	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	0.9 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.8 / *	%	Sim. to ISO 62
^[C] Density	1320 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Delivery form

Pellets, Natural Color

Features

Ductile

Additives

Lubricants

Regional Availability

North America, Europe, Asia Pacific