Starflam® 909

PA66/6-GF25 Ascend

Product Texts

Starflam 909 (formerly Vydyne® 909) is a halogenated, 25% glass-filled, flame-retardant PA66/6 copolymer with excellent strength and toughness. It is lubricated for machine feed and easy mold release.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.4 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**1.0 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**9100 / 7100**	MPa	ISO 527
[C] Stress at break	**132 / 90**	MPa	ISO 527
[C] Strain at break	**2.2 / 3**	%	ISO 527
[C] Charpy impact strength, +23°C	**40 / -**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**35 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**9.4 / -**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**9.5 / -**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**250 / ***	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**230 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**250 / ***	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**20 / ***	E-6/K	ISO 11359-1/-2
[C] Coeff. of linear therm. expansion, normal	**100 / ***	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] Comparative tracking index	**325 / -**	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**0.7 / ***	%	Sim. to ISO 62
[C] Humidity absorption	**1.3 / ***	%	Sim. to ISO 62
[C] Density	**1470 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Special Characteristics
Flame retardant

Delivery form
Pellets

Features
Copolymer

Additives
Lubricants

Regional Availability
North America, Europe, Asia Pacific