Zytel® 70G25EF BK538LM

PA66-GF25 Celanese

Product Texts

Zytel® 70G25EF BK538LM is a 25% glass reinforced polyamide 66 developed for electrical and electronics applications. It is well suited for laser marking.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.3 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**1.1 / ***	%	ISO 294-4, 2577
[C] Ejection temperature	**210**	°C	-

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**8400 / 6000**	MPa	ISO 527
[C] Stress at break	**165 / 110**	MPa	ISO 527
[C] Strain at break	**3 / 5**	%	ISO 527
[C] Charpy impact strength, +23°C	**55 / 75**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**50 / -**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**8 / 10**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**7 / -**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**260 / ***	°C	ISO 11357-1/-3
[C] Glass transition temperature, 10°C/min	**80 / ***	°C	ISO 11357-1/-2
[C] Temp. of deflection under load, 1.80 MPa	**238 / ***	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**30 / ***	E-6/K	ISO 11359-1/-2
[C] Coeff. of linear therm. expansion, normal	**90 / ***	E-6/K	ISO 11359-1/-2
[C] Burning Behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10
Thickness tested	**1.5 / ***	mm	-
[C] Burning rate, FMVSS, Thickness 1 mm	**17**	mm/min	ISO 3795 (FMVSS 302)

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Volume resistivity	**>1E13 / 1E11**	Ohm*m	IEC 62631-3-1
[C] Comparative tracking index	**525 / -**	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**6.4 / ***	%	Sim. to ISO 62
[C] Humidity absorption	**2 / ***	%	Sim. to ISO 62
[C] Density	**1320 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Delivery form
Pellets, Black

Additives
Release agent

Features
Laser Markable

Applications
Electrical and Electronical

Regional Availability
North America, Europe, Asia Pacific, South and Central America

Special Characteristics
Heat stabilized or stable to heat