

Product Texts

35% Glass Reinforced, High Flow, Halogen free and free of red phosphorous

ISO 1043 PA46-GF35 FR(40)

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	12300 / 8600	MPa	ISO 527
^[C] Stress at break	150 / 110	MPa	ISO 527
^[C] Strain at break	2.5 / 3.5	%	ISO 527
^[C] Charpy impact strength, +23°C	50 / 60	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	9 / 10	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	295 / *	°C	ISO 11357-1/-3
^[C] Glass transition temperature, 10°C/min	75 / *	°C	ISO 11357-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	-
Yellow Card available	yes / *	-	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 100Hz	4.4 / -	-	IEC 62631-2-1
^[C] Relative permittivity, 1MHz	4.1 / -	-	IEC 62631-2-1
^[C] Dissipation factor, 100Hz	72 / -	E-4	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	165 / -	E-4	IEC 62631-2-1
^[C] Volume resistivity	>1E13 / 1E11	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E12	Ohm	IEC 62631-3-2
^[C] Electric strength	30 / -	kV/mm	IEC 60243-1
^[C] Comparative tracking index	550 / -	-	IEC 60112

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Humidity absorption	2.1 / *	%	Sim. to ISO 62
^[C] Density	1510 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free

Delivery form

Pellets

Regional Availability

Asia Pacific

Other text information

Injection molding

[Injection Molding Recommendations](#)

[Hot runner recommendations for molding high heat performance Engineering Materials](#)

[Steel recommendations for molds screws and barrels](#)

[Supporting document for Stanyl quality processing](#)

[Trouble shooting guideline for injection molding](#)