

Product Texts

15% Glass Reinforced, Halogen free and free of red phosphorous

ISO 1043 PA66-GF15 FR(40)

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	6850 / 4450	MPa	ISO 527
^[C] Stress at break	110 / 70	MPa	ISO 527
^[C] Strain at break	3.1 / 5.3	%	ISO 527
^[C] Charpy impact strength, +23°C	45 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	42 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	5.8 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	5.7 / -	kJ/m ²	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] Temp. of deflection under load, 1.80 MPa	230 / *	°C	ISO 75-1/-2
^[C] Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Density	1300 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free, Phosphorus-free

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific

Other text information**Injection molding**[Injection Molding Recommendations](#)[Steel recommendations for molds screws and barrels](#)[Trouble shooting guideline for injection molding](#)