

Product Texts

Product-nomenclature: ISO 16396-PA6,GF30 FR,M1HF2R,S14-070

Product Attributes

Flame retardant

Markets

Automotive

Automotive electr. and electronics, lighting

Electricals & Electronics

Electrical appliances, Electrical equipment, Connectors, Energy distribution

Industry & Consumer goods

Housewares, Mechanical Engineering, Power transmission

Approvals

Burning Behaviour

UL V2

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	7000 / -	MPa	ISO 527
^[C] Stress at break	100 / -	MPa	ISO 527
^[C] Strain at break	6 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	45 / N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	35 / 35	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4 / 5	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	2 / 2	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	222 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	185 / *	°C	ISO 75-1/-2
^[C] Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	7 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2.5 / *	%	Sim. to ISO 62
^[C] Density	1390 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Applications

Automotive, Electrical and Electronical

Delivery form

Granules, Natural Color

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Special Characteristics

Flame retardant