

Grilamid LV-3 X ESD black

PA12-GF30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Product Texts

Product-nomenclature: ISO16396-PA12,GF30 C,M1HRZ,C18-080

Product Attributes

Hydrolysis resistant, Improved impact resistance, Improved heat resistance, Anti-static, Improved UV resistance (outdoor use)

Markets

Automotive
Fuel systems

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2 / *	%	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	7800 / 7100	MPa	ISO 527
^[C] Stress at break	125 / 110	MPa	ISO 527
^[C] Strain at break	5.5 / 4.5	%	ISO 527
^[C] Charpy impact strength, +23°C	75 / 70	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	55 / 50	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	11 / 11	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	9 / 9	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	178 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	160 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	110 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	80 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	120 / *	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Volume resistivity	- / 100	Ohm*m	IEC 62631-3-1
^[C] Electric strength	3 / 3	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1 / *	%	Sim. to ISO 62
^[C] Humidity absorption	0.5 / *	%	Sim. to ISO 62
^[C] Density	1300 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

Anti-static, Light stabilized or stable to light, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Grilamid LV-3 X ESD black

PA12-GF30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Delivery form

Granules, Black

Regional Availability

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