

Product Texts

Product-nomenclature: ISO 16396-PA12,CF15,M1HR,C18-080

Product Attributes

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

Markets

Electricals & Electronics

Mobile phones and other portable devices

Industry & Consumer goods

Mechanical Engineering, Medical devices, Power transmission, Sports & Leisure, Tools & Accessories

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.5 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	9500 / 7500	MPa	ISO 527
^[C] Stress at break	110 / 100	MPa	ISO 527
^[C] Strain at break	4.5 / 5	%	ISO 527
^[C] Charpy impact strength, +23°C	- / 40	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	- / 40	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	- / 10	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	- / 5	kJ/m ²	ISO 179/1eA
^[C] Shore D hardness	100 / *	-	ISO 7619-1

[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	100 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	10 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	150 / *	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]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.1 / *	%	Sim. to ISO 62
^[C] Humidity absorption	0.7 / *	%	Sim. to ISO 62
^[C] Density	1070 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Grilamid LC-15H black

PA12-CF15

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Processing

Injection Molding

Delivery form

Granules, Black

Special Characteristics

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

Regional Availability

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