Grilon TSG-60/4 W black 9832

PA666-GF60 EMS-GRIVORY | a unit of EMS-CHEMIE AG

Product Texts

Product-nomenclature: ISO 16396-PA66 PA6,GF60,M1HR,C14-190N

Product Attributes

Improved heat resistance

Markets

Automotive
Air intake sytems, Hydraulic systems, Automotive electr. and electronics, lighting, Cooling and climate control, Powertrain and Chassis
Electricals & Electronics
Lighting
Industry & Consumer goods
Heating systems, Hydraulics & Pneumatics, Mechanical Engineering, Sports & Leisure

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.1 / ***	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.3 / ***	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**20000 / 13500**	MPa	ISO 527
[C] Stress at break	**220 / 155**	MPa	ISO 527
[C] Strain at break	**2 / 2.5**	%	ISO 527
[C] Charpy impact strength, +23°C	**100 / 90**	kJ/m²	ISO 179/1eU
[C] Charpy impact strength, -30°C	**70 / 70**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**15 / 20**	kJ/m²	ISO 179/1eA
[C] Charpy notched impact strength, -30°C	**10 / 10**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**265 / ***	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**230 / ***	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 8.00 MPa	**195 / ***	°C	ISO 75-1/-2
[C] Coeff. of linear therm. expansion, parallel	**13 / ***	E-6/K	ISO 11359-1/-2
[C] Coeff. of linear therm. expansion, normal	**87 / ***	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
[C] Water absorption	**5 / ***	%	Sim. to ISO 62
[C] Humidity absorption	**1.1 / ***	%	Sim. to ISO 62
[C] Density	**1720 / -**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Applications
Automotive, Electrical and Electronical, Sports Equipment

Delivery form
Granules, Black

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

Special Characteristics
Heat stabilized or stable to heat