

Product Texts

Product-nomenclature: ISO 16396-PA66,GF30Z15,M1HRS,S14-060N

Product Attributes

Improved friction & wear properties, Improved heat resistance

Markets

Automotive

Hydraulic systems, Automotive electr. and electronics, lighting, Powertrain and Chassis

Electricals & Electronics

Electrical appliances

Industry & Consumer goods

Heating systems, Mechanical Engineering, Power transmission, Sports & Leisure, Tools & Accessories

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	6500 / 3000	MPa	ISO 527
^[C] Stress at break	100 / 70	MPa	ISO 527
^[C] Strain at break	4 / 8	%	ISO 527
^[C] Charpy impact strength, +23°C	40 / 50	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	30 / 30	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	4 / 8	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	3 / 3	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	190 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	70 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	30 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	100 / *	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

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	5 / *	%	Sim. to ISO 62
^[C] Humidity absorption	2 / *	%	Sim. to ISO 62
^[C] Density	1460 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Features

Tribologic Grade

Delivery form

Granules, Black

Applications

Automotive, Electrical and Electronical, Sports Equipment

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

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