

Product Texts

Product-nomenclature: ISO 16396-PA66,Z20,M1HRS,S14-030N

Product Attributes

Improved friction & wear properties

Markets

Automotive

Hydraulic systems, Powertrain and Chassis, Interior

Industry & Consumer goods

Mechanical Engineering, Power transmission, Tools & Accessories

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.9 / *	%	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	2700 / 1200	MPa	ISO 527
^[C] Yield stress	60 / 35	MPa	ISO 527
^[C] Yield strain	4 / 35	%	ISO 527
^[C] Nominal strain at break	15 / >50	%	ISO 527
^[C] Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	45 / 55	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	4 / 4	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	85 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 8.00 MPa	65 / *	°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	90 / *	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	1E12 / 1E10	Ohm*m	IEC 62631-3-1
^[C] Surface resistivity	* / 1E11	Ohm	IEC 62631-3-2
^[C] Electric strength	27 / 25	kV/mm	IEC 60243-1
^[C] Comparative tracking index	- / 475	-	IEC 60112

[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	1280 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Delivery form

Granules, Natural Color

Additives

Lubricants

Features

Tribologic Grade

Applications

Automotive

Regional Availability

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