

Grilon F 40 natural

PA6

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Product Texts

Product nomenclature: ISO 16396-PA6,,F,S27-030

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2900 / 750	MPa	ISO 527
^[C] Yield stress	80 / 40	MPa	ISO 527
^[C] Yield strain	4 / 15	%	ISO 527
^[C] Nominal strain at break	>50 / >50	%	ISO 527
^[C] Charpy impact strength, -30°C	- / 60	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	6 / 4	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	55 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	130 / *	°C	ISO 75-1/-2
^[C] Vicat softening temperature, B	195 / *	°C	ISO 306
^[C] Coeff. of linear therm. expansion, parallel	100 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	100 / *	E-6/K	ISO 11359-1/-2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	9 / *	%	Sim. to ISO 62
^[C] Humidity absorption	3 / *	%	Sim. to ISO 62
^[C] Density	1140 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Delivery form

Natural Color

Regional Availability

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