

Grilon TSM-40/4

PA666-MD40

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Product Texts

Product designation according to ISO 1874:

PA66+PA6, MHR, 14-070N, MD 40

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	6000 / 3800	MPa	ISO 527-1/-2
Stress at break	90 / 65	MPa	ISO 527-1/-2
Strain at break	7 / 22	%	ISO 527-1/-2
Charpy impact strength (+23°C)	80 / 150	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4 / 5	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
Melting temperature (10°C/min)	260 / -	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	110 / -	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	70 / -	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	70 / -	E-6/K	ISO 11359-1/-2
Burning Behav. at thickness h	HB / -	class	IEC 60695-11-10
Thickness tested	0.8 / -	mm	IEC 60695-11-10
Max. usage temperature (long term)	100 - 120	°C	ISO 2578
Max. usage temperature (short term)	220	°C	EMS

Electrical properties	dry / cond	Unit	Test Standard
Volume resistivity	1E11 / 1E10	Ohm*m	IEC 60093
Surface resistivity	- / 1E11	Ohm	IEC 60093

Other properties	dry / cond	Unit	Test Standard
Water absorption	6 / -	%	Sim. to ISO 62
Humidity absorption	2 / -	%	Sim. to ISO 62
Density	1460 / -	kg/m ³	ISO 1183

Rheo/Phys properties	dry / cond	Unit	Test Standard
Molding shrinkage (parallel)	1.1 / -	%	ISO 294-4, 2577
Molding shrinkage (normal)	1.1 / -	%	ISO 294-4, 2577

Characteristics
Processing

Injection Molding

Delivery form

Granules

Regional Availability

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

Potable Water Contact

WRAS

