

Grilon TSGK-30/4 X

PA666-(GF+GB)30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Product Texts

Product designation according to ISO 1874:

PA 66+PA 6, MHR, 14-050N, (GF+GB) 30X

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	5400 / 2100	MPa	ISO 527-1/-2
Stress at break	110 / 60	MPa	ISO 527-1/-2
Strain at break	4 / 10	%	ISO 527-1/-2
Charpy impact strength (+23°C)	40 / 70	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	35 / 35	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4 / 10	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	3 / 4	kJ/m ²	ISO 179/1eA

Mechanical properties (TPE)	dry / cond	Unit	Test Standard
Ball indentation hardness	135 / 80	MPa	ISO 2039-1

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)	190 / -	°C	ISO 75-1/-2
Temp. of deflection under load (8.00 MPa)	60 / -	°C	ISO 75-1/-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

Other properties	dry / cond	Unit	Test Standard
Water absorption	5 / -	%	Sim. to ISO 62
Humidity absorption	2 / -	%	Sim. to ISO 62
Density	1350 / -	kg/m ³	ISO 1183

Rheo/Phys properties	dry / cond	Unit	Test Standard
Molding shrinkage (parallel)	0.3 / -	%	ISO 294-4, 2577
Molding shrinkage (normal)	0.8 / -	%	ISO 294-4, 2577

Characteristics

Processing

Injection Molding

Automotive

Interior

Delivery form

Granules

Electricals & Electronics

Electrical appliances

Regional Availability

North America, Europe, Asia Pacific

Industry & Consumer goods

Housewares, Mechanical Engineering, Sports & Leisure, Tools & Accessories