

Grilon BM-30

PA6-MD30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Product Texts

Product designation according to ISO 1874:

PA 6, MHR 14-060 N, MD 30

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	6500 / 3000	MPa	ISO 527-1/-2
Stress at break	90 / 40	MPa	ISO 527-1/-2
Strain at break	3 / 40	%	ISO 527-1/-2
Charpy impact strength (+23°C)	45 / 100	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	45 / 45	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	3 / 3	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	2 / 2	kJ/m ²	ISO 179/1eA

Mechanical properties (TPE)	dry / cond	Unit	Test Standard
Ball indentation hardness	170 / 70	MPa	ISO 2039-1

Thermal properties	dry / cond	Unit	Test Standard
Melting temperature (10°C/min)	222 / -	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	100 / -	°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)	180	°C	EMS

Other properties	dry / cond	Unit	Test Standard
Water absorption	7 / -	%	Sim. to ISO 62
Humidity absorption	1.8 / -	%	Sim. to ISO 62
Density	1380 / -	kg/m ³	ISO 1183

Rheo/Phys properties	dry / cond	Unit	Test Standard
Molding shrinkage (parallel)	0.8 / -	%	ISO 294-4, 2577
Molding shrinkage (normal)	0.9 / -	%	ISO 294-4, 2577

Characteristics

Processing

Injection Molding

Automotive

Interior

Delivery form

Granules

Industry & Consumer goods

Mechanical Engineering, Tools & Accessories

Regional Availability

North America, Europe, Asia Pacific