

Grilon BKZ-30

PA6-GB30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Product Texts

Product designation according to ISO 1874:

PA 6-HI, MHR, 14-030N, GB 30

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	3400 / 1900	MPa	ISO 527-1/-2
Stress at break	65 / 40	MPa	ISO 527-1/-2
Strain at break	15 / 40	%	ISO 527-1/-2
Charpy impact strength (+23°C)	70 / 90	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	70 / 90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6 / 10	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	5 / 8	kJ/m ²	ISO 179/1eA

Mechanical properties (TPE)	dry / cond	Unit	Test Standard
Ball indentation hardness	115 / 85	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)	75 / -	°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

Other properties	dry / cond	Unit	Test Standard
Water absorption	8 / -	%	Sim. to ISO 62
Humidity absorption	2 / -	%	Sim. to ISO 62
Density	1340 / -	kg/m ³	ISO 1183

Rheo/Phys properties	dry / cond	Unit	Test Standard
Molding shrinkage (parallel)	0.9 / -	%	ISO 294-4, 2577
Molding shrinkage (normal)	1.0 / -	%	ISO 294-4, 2577

Characteristics
Processing

Injection Molding

Automotive

Interior

Delivery form

Granules

Electricals & Electronics

Electrical appliances

Special Characteristics

High impact or impact modified

Industry & Consumer goods

Housewares, Sports & Leisure, Tools & Accessories

Regional Availability

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