

**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	<b>3400 / 1900</b>	MPa	ISO 527-1/-2
Stress at break	<b>65 / 40</b>	MPa	ISO 527-1/-2
Strain at break	<b>15 / 40</b>	%	ISO 527-1/-2
Charpy impact strength (+23°C)	<b>70 / 90</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	<b>70 / 90</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	<b>6 / 10</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	<b>5 / 8</b>	kJ/m <sup>2</sup>	ISO 179/1eA

Mechanical properties (TPE)	dry / cond	Unit	Test Standard
Ball indentation hardness	<b>115 / 85</b>	MPa	ISO 2039-1

Thermal properties	dry / cond	Unit	Test Standard
Melting temperature (10°C/min)	<b>222 / -</b>	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	<b>75 / -</b>	°C	ISO 75-1/-2
Burning Behav. at thickness h	<b>HB / -</b>	class	IEC 60695-11-10
Thickness tested	<b>0.8 / -</b>	mm	IEC 60695-11-10

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

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