

**Grilon EBG-20 HX**

PA666-GF15

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	<b>6300 / 3300</b>	MPa	ISO 527-1/-2
Charpy impact strength (+23°C)	<b>50 / 65</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	<b>50 / 50</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	<b>8 / 10</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	<b>5 / 5</b>	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
Melting temperature (10°C/min)	<b>260 / -</b>	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	<b>195 / -</b>	°C	ISO 75-1/-2
Temp. of deflection under load (8.00 MPa)	<b>65 / -</b>	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	<b>30 / -</b>	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	<b>100 / -</b>	E-6/K	ISO 11359-1/-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

Electrical properties	dry / cond	Unit	Test Standard
Volume resistivity	<b>1E10 / 1E9</b>	Ohm*m	IEC 60093
Surface resistivity	<b>- / 1E10</b>	Ohm	IEC 60093
Electric strength	<b>40 / 30</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>- / 550</b>	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	<b>8 / -</b>	%	Sim. to ISO 62
Humidity absorption	<b>3 / -</b>	%	Sim. to ISO 62
Density	<b>1240 / -</b>	kg/m <sup>3</sup>	ISO 1183

Rheo/Phys properties	dry / cond	Unit	Test Standard
Molding shrinkage (parallel)	<b>0.4 / -</b>	%	ISO 294-4, 2577
Molding shrinkage (normal)	<b>0.7 / -</b>	%	ISO 294-4, 2577

**Characteristics**
**Processing**

Extrusion - blow molding, Other Extrusion

**Delivery form**

Granules

**Special Characteristics**

Improved heat resistance

**Regional Availability**

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

**Product Attributes**

Nanocomposite

**Automotive**

Air intake systems

