

Grivory GVN-35H black 9915

PA*-GF35

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Product Texts

Product designation according to ISO 1874:

PA66+PA6I/X, MH, 14-110, GF35

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	10500 / 9000	MPa	ISO 527-1/-2
Stress at break	170 / 140	MPa	ISO 527-1/-2
Strain at break	4 / 5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	85 / 85	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	80 / 80	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	15 / 15	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	13 / 13	kJ/m ²	ISO 179/1eA

Mechanical properties (TPE)	dry / cond	Unit	Test Standard
Ball indentation hardness	215 / 185	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)	235 / -	°C	ISO 75-1/-2
Temp. of deflection under load (8.00 MPa)	70 / -	°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	EMS
Max. usage temperature (short term)	220	°C	EMS

Electrical properties	dry / cond	Unit	Test Standard
Volume resistivity	1E12 / 1E12	Ohm*m	IEC 60093
Surface resistivity	- / 1E13	Ohm	IEC 60093
Electric strength	35 / 35	kV/mm	IEC 60243-1
Comparative tracking index	- / 575	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.5 / -	%	Sim. to ISO 62
Humidity absorption	1.5 / -	%	Sim. to ISO 62
Density	1400 / -	kg/m ³	ISO 1183

Rheo/Phys properties	dry / cond	Unit	Test Standard
Molding shrinkage (parallel)	0.1 / -	%	ISO 294-4, 2577
Molding shrinkage (normal)	0.5 / -	%	ISO 294-4, 2577

Characteristics

Processing

Injection Molding

Product Attributes

Partially aromatic Polyamide

Delivery form

Pellets

Automotive

Air intake systems, Automotive electr. and electronics, lighting, Cooling and climate control, Powertrain and Chassis, Interior, Exterior

Special Characteristics

High impact or impact modified



Regional Availability

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

Electricals & Electronics

Electrical appliances, Electrical equipment, Energy distribution

Industry & Consumer goods

Housewares, Hydraulics & Pneumatics, Mechanical Engineering,
Power transmission, Sanitary, water and gas supply, Sports &
Leisure, Tools & Accessories

