

**Grivory HT2V-15H**

PA6T/66-GF15

EMS-GRIVORY | a unit of EMS-CHEMIE AG

**Product Texts**

Product-nomenclature acc. ISO 1874:  
PA 6T/66, MH, 12-070, GF15

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	<b>7000 / 7000</b>	MPa	ISO 527-1/-2
Stress at break	<b>115 / 115</b>	MPa	ISO 527-1/-2
Strain at break	<b>2 / 2</b>	%	ISO 527-1/-2
Charpy impact strength (+23°C)	<b>25 / 25</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	<b>25 / 25</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	<b>5 / 5</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

Mechanical properties (TPE)	dry / cond	Unit	Test Standard
Shore D hardness (15s)	<b>88 / 87</b>	-	ISO 868
Ball indentation hardness	<b>210 / 175</b>	MPa	ISO 2039-1

Thermal properties	dry / cond	Unit	Test Standard
Melting temperature (10°C/min)	<b>310 / -</b>	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	<b>270 / -</b>	°C	ISO 75-1/-2
Temp. of deflection under load (8.00 MPa)	<b>100 / -</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>75 / -</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
Max. usage temperature (long term)	<b>140</b>	°C	ISO 2578
Max. usage temperature (short term)	<b>260</b>	°C	EMS

Electrical properties	dry / cond	Unit	Test Standard
Volume resistivity	<b>1E10 / 1E10</b>	Ohm*m	IEC 60093
Surface resistivity	<b>- / 1E12</b>	Ohm	IEC 60093
Electric strength	<b>38 / 38</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>- / 500</b>	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	<b>6 / -</b>	%	Sim. to ISO 62
Humidity absorption	<b>2 / -</b>	%	Sim. to ISO 62
Density	<b>1290 / -</b>	kg/m <sup>3</sup>	ISO 1183

Rheo/Phys properties	dry / cond	Unit	Test Standard
Molding shrinkage (parallel)	<b>0.5 / -</b>	%	ISO 294-4, 2577
Molding shrinkage (normal)	<b>1.0 / -</b>	%	ISO 294-4, 2577

**Characteristics**

**Processing**

Injection Molding

**Automotive**

Fuel systems, Powertrain and Chassis , Interior, Exterior

**Delivery form**

Granules

**Electricals & Electronics**

Connectors

## Grivory HT2V-15H

PA6T/66-GF15

EMS-GRIVORY | a unit of EMS-CHEMIE AG

### Special Characteristics

Improved UV resistance (outdoor use), Improved heat resistance

### Regional Availability

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

### Industry & Consumer goods

Housewares, Hydraulics & Pneumatics, Mechanical Engineering,  
Power transmission, Sports & Leisure, Tools & Accessories

---