

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	7000 / 7000	MPa	ISO 527-1/-2
Stress at break	115 / 115	MPa	ISO 527-1/-2
Strain at break	2 / 2	%	ISO 527-1/-2
Charpy impact strength (+23°C)	25 / 25	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	25 / 25	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5 / 5	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	5 / 5	kJ/m ²	ISO 179/1eA

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

Thermal properties	dry / cond	Unit	Test Standard
Melting temperature (10°C/min)	310 / -	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	270 / -	°C	ISO 75-1/-2
Temp. of deflection under load (8.00 MPa)	100 / -	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	30 / -	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	75 / -	E-6/K	ISO 11359-1/-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)	140	°C	ISO 2578
Max. usage temperature (short term)	260	°C	EMS

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

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

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

Characteristics
Processing

Injection Molding

Automotive

Fuel systems, Powertrain and Chassis , Interior, Exterior

Delivery form

Granules

Electricals & Electronics

Connectors

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