

Grivory HT2V-3X V0
 PA6T/66-GF30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Product Texts

Product-nomenclature acc. ISO 1874:

PA 6T/66, MHF, 11-120, GF30

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	10500 / 10500	MPa	ISO 527-1/-2
Stress at break	140 / 130	MPa	ISO 527-1/-2
Strain at break	2 / 2	%	ISO 527-1/-2
Charpy impact strength (+23°C)	40 / 40	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	35 / 35	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	7 / 7	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	6 / 6	kJ/m ²	ISO 179/1eA

Mechanical properties (TPE)	dry / cond	Unit	Test Standard
Ball indentation hardness	240 / 230	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)	280 / -	°C	ISO 75-1/-2
Temp. of deflection under load (8.00 MPa)	190 / -	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	25 / -	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	45 / -	E-6/K	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-0 / -	class	IEC 60695-11-10
Thickness tested	1.5 / -	mm	IEC 60695-11-10
Burning Behav. at thickness h	V-0 / -	class	IEC 60695-11-10
Thickness tested	0.3 / -	mm	IEC 60695-11-10
Burning Behav. 5V at thickness h	5VA / -	class	IEC 60695-11-20
Thickness tested	3.0 / -	mm	IEC 60695-11-20
Oxygen index	35 / -	%	ISO 4589-1/-2
Max. usage temperature (long term)	140	°C	ISO 2578
Max. usage temperature (short term)	270	°C	EMS

Electrical properties	dry / cond	Unit	Test Standard
Volume resistivity	1E10 / 1E10	Ohm*m	IEC 60093
Surface resistivity	- / 1E11	Ohm	IEC 60093
Electric strength	34 / 34	kV/mm	IEC 60243-1
Comparative tracking index	- / 600	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
Water absorption	3.5 / -	%	Sim. to ISO 62
Humidity absorption	1.3 / -	%	Sim. to ISO 62
Density	1430 / -	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)	0.9 / -	%	ISO 294-4, 2577

Characteristics
Processing

Injection Molding

Automotive

Automotive electr. and electronics, lighting, Interior



Delivery form

Granules

Special Characteristics

Flame retardant, Improved heat resistance

Regional Availability

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

Product Attributes

Improved flowability and demoulding, Improved alcohol resistance, Co Polyamide, Partially aromatic Polyamide

Electricals & Electronics

Electrical appliances, Electrical equipment, Connectors, Energy distribution, Lighting, Mobile phones and other portable devices

Industry & Consumer goods

Hydraulics & Pneumatics, Mechanical Engineering, Power transmission, Tools & Accessories

Burning Behaviour

UL 5VA, UL V0

