

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

Grivory HT2V-3X V0

PA6T/66-GF30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

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