

Grivory HT2C-3X LF black 9833
PA6T/66-CF30

EMS-GRIVORY | a unit of EMS-CHEMIE AG

Product Texts

Product designation according to ISO 1874:
PA6T/66, MHS, 14-250,CF30+Z

Mechanical properties	dry / cond	Unit	Test Standard
Tensile Modulus	24000 / 24000	MPa	ISO 527-1/-2
Stress at break	240 / 210	MPa	ISO 527-1/-2
Strain at break	1.5 / 2	%	ISO 527-1/-2
Charpy impact strength (+23°C)	40 / 40	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	40 / 40	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)	5 / 5	kJ/m ²	ISO 179/1eA

Mechanical properties (TPE)	dry / cond	Unit	Test Standard
Ball indentation hardness	290 / 260	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)	210 / -	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	10 / -	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	70 / -	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)	270	°C	EMS

Electrical properties	dry / cond	Unit	Test Standard
Volume resistivity	50 / 50	Ohm*m	IEC 60093
Surface resistivity	- / 100	Ohm	IEC 60093
Electric strength	3 / 3	kV/mm	IEC 60243-1

Other properties	dry / cond	Unit	Test Standard
Water absorption	4.3 / -	%	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)	0.3 / -	%	ISO 294-4, 2577

Characteristics

Processing

Injection Molding

Delivery form

Granules

Special Characteristics

Anti-static, Improved heat resistance

Product Attributes

Improved friction & wear properties, Improved alcohol resistance, Co Polyamide, Partially aromatic Polyamide

Automotive

Compressed air systems, Hydraulic systems, Fuel systems, Powertrain and Chassis , Interior

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Regional Availability

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

Electricals & Electronics

Electrical equipment

Industry & Consumer goods

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