

CAMPUS® Datasheet

Grivory HT1VA-4 FWA black 9225 - PA6T/6I-GF40

EMS-GRIVORY | a unit of EMS-CHEMIE AG



Product Texts

Product-nomenclature: ISO 16396-PA6T/6I,GF40,M1H,C12-140

Product Attributes

Hydrolysis resistant

Markets

Automotive

Air intake systems, Compressed air systems, Hydraulic systems,
Automotive electr. and electronics, lighting, Cooling and climate control, Fuel systems, Powertrain and Chassis,
Interior, Exterior

Approvals

Food Contact

NSF 51, EU Requirements, FDA

Potable Water Contact

NSF 61, KTW, WRAS, ACS, DVGW W270

Rheological properties	dry / cond	Unit	Test Standard
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577
Mechanical properties	dry / cond	Unit	Test Standard
Tensile modulus	14500 / 14500	MPa	ISO 527-1/-2
Stress at break	250 / 230	MPa	ISO 527-1/-2
Strain at break	2 / 2	%	ISO 527-1/-2
Charpy impact strength, +23°C	70 / 70	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	65 / 65	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11 / 11	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	11 / 11	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond	Unit	Test Standard
Melting temperature, 10°C/min	325 / *	°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	200 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	15 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	45 / *	E-6/K	ISO 11359-1/-2
Burning behavior at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested (h)	0.8 / *	mm	IEC 60695-11-10
Electrical properties	dry / cond	Unit	Test Standard
Volume resistivity	1E10 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E10	Ohm	IEC 62631-3-2
Electric strength	30 / 30	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	1.5 / *	%	Sim. to ISO 62
Density	1530 / -	kg/m ³	ISO 1183

Grivory HT1VA-4 FWA black 9225 - PA6T/6I-GF40
EMS-GRIVORY | a unit of EMS-CHEMIE AG

Characteristics

Delivery form

Granules

Regional Availability

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

EMS-CHEMIE AG Business Unit EMS-GRIVORY Homepage: [EMS-GRIVORY](https://www.ems-grivory.com)

eMail: welcome@emsgrivory.com The values are intended to serve as an aid in preselecting materials and for an overview of the EMS-GRIVORY

product range. The information contained in this publication is based on our present knowledge and experience. The given figures and data are guidance values and do not represent binding material specifications. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are given regarding products, design, data and information. The customer is not released from his obligation to investigate the products fitness and the suitability for the intended application, compliance with legal requirements and intellectual property rights. We reserve the right to change the information at any time and without prior notice. The information in this publication is not to be considered a contractual obligation and any liability whatsoever is expressly declined. For further questions about our products please contact our experts.