

# CAMPUS® foglio dati

Grivory GV-5 FWA black 9225 - PA\*-GF50  
EMS-GRIVORY | a unit of EMS-CHEMIE AG



## Testo del prodotto

Product designation according to ISO 1874:  
PA66+PA6I/X, MH, 14-190, GF50

Partially aromatic Polyamide

## Markets

### Industry & Consumer goods

Housewares, Hydraulics & Pneumatics, Mechanical Engineering, Power transmission, Sanitary, water and gas supply

## Approvals

### Food Contact

EU Requirements, FDA

### Potable Water Contact

NSF 61, KTW, WRAS, ACS, DVGW W270

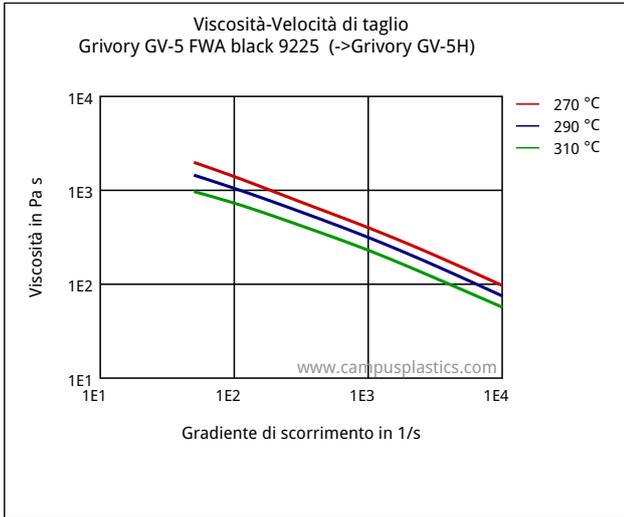
Proprietà Reologiche	secco/cond	Unità	Norma del test
Ritiro di stampaggio, parallelo	0.1 / *	%	ISO 294-4, 2577
Ritiro di stampaggio, perpendicolare	0.4 / *	%	ISO 294-4, 2577
Proprietà Meccaniche	secco/cond	Unità	Norma del test
Modulo a trazione	18000 / 17000	MPa	ISO 527-1/-2
Carico unitario a rottura	250 / 220	MPa	ISO 527-1/-2
Deformazione a rottura	2.5 / 2.5	%	ISO 527-1/-2
Resistenza all'urto Charpy, +23°C	90 / 90	kJ/m <sup>2</sup>	ISO 179/1eU
Resistenza all'urto Charpy, -30°C	80 / 80	kJ/m <sup>2</sup>	ISO 179/1eU
Resist. urto Charpy con intaglio, +23°C	15 / 15	kJ/m <sup>2</sup>	ISO 179/1eA
Resist. urto Charpy con intaglio, -30°C	13 / 13	kJ/m <sup>2</sup>	ISO 179/1eA
Proprietà Termiche	secco/cond	Unità	Norma del test
Temperatura di fusione, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp.di inflessione sotto carico, 1.80 MPa	235 / *	°C	ISO 75-1/-2
Temp.di inflessione sotto carico, 8.00 MPa	165 / *	°C	ISO 75-1/-2
Coeff.di dilatazione termica lin., parallelo	15 / *	E-6/K	ISO 11359-1/-2
Coeff.di dilatazione termica lin., perpend.	90 / *	E-6/K	ISO 11359-1/-2
Reazione al fuoco a spessore h	HB / *	class	IEC 60695-11-10
Spessore provato	0.8 / *	mm	IEC 60695-11-10
Proprietà Elettriche	secco/cond	Unità	Norma del test
Resistività volumica	1E12 / 1E12	Ohm*m	IEC 62631-3-1
Resistività superficiale	* / 1E13	Ohm	IEC 62631-3-2
Rigidità dielettrica	33 / 33	kV/mm	IEC 60243-1
Res. Alle correnti striscianti superficiali	- / 600	-	IEC 60112
Altre Proprietà	secco/cond	Unità	Norma del test
Assorbimento d'acqua	4 / *	%	Sim. alla ISO 62
Assorbimento d'umidità	1.4 / *	%	Sim. alla ISO 62
Massa volumica	1560 / -	kg/m <sup>3</sup>	ISO 1183

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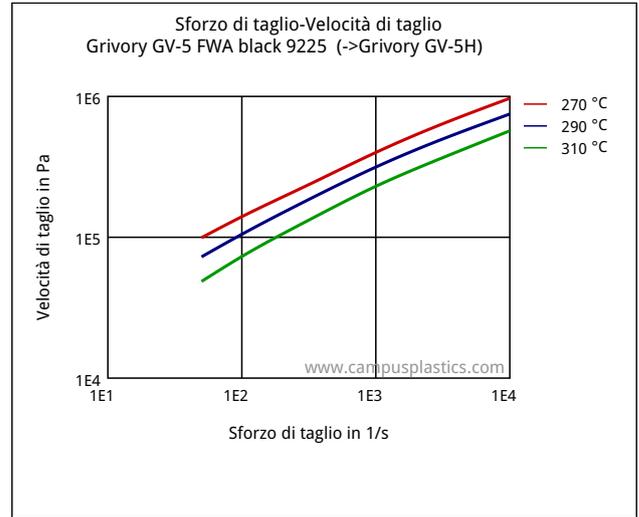
Proprietà reologiche per la simulazione	Valore	Unità	Norma del test
Densità del fuso	1370	kg/m <sup>3</sup>	-
Conduktività termica del fuso	0.28	W/(m K)	-
Capacità termica specifica del fuso	1800	J/(kg K)	-
Diffusività termica	1.14E-7	m <sup>2</sup> /s	-
Temperatura di estrazione	230	°C	-

**Funzioni**

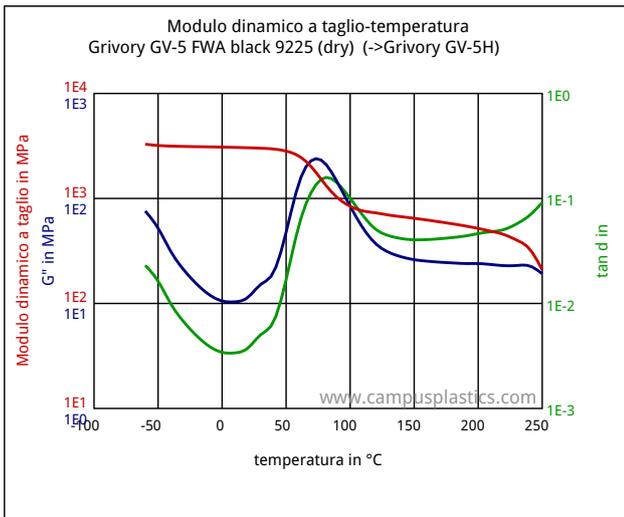
**Viscosità-Velocità di taglio**



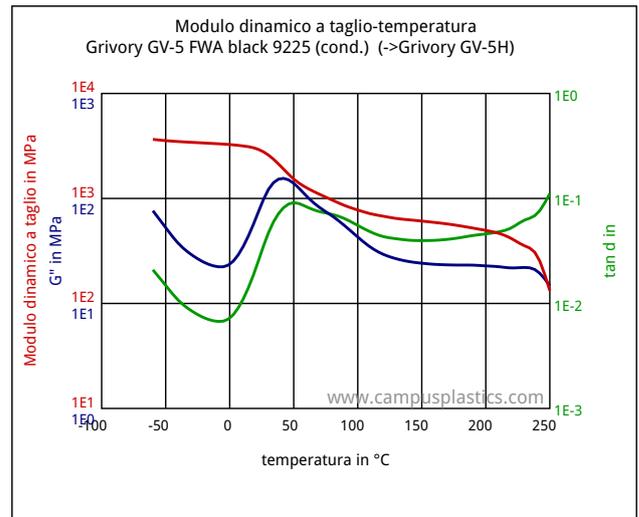
**Sforzo di taglio-Velocità di taglio**



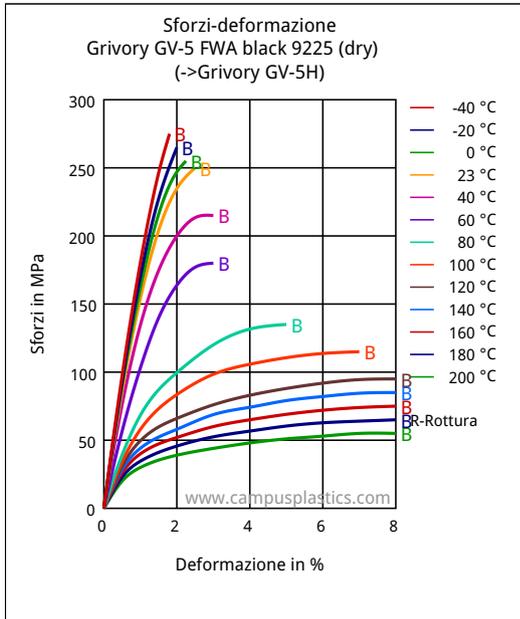
**Modulo dinamico a taglio-temperatura**



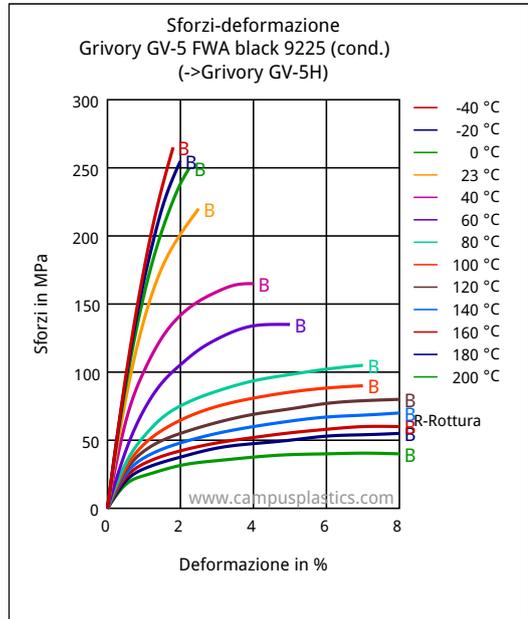
**Modulo dinamico a taglio-temperatura**



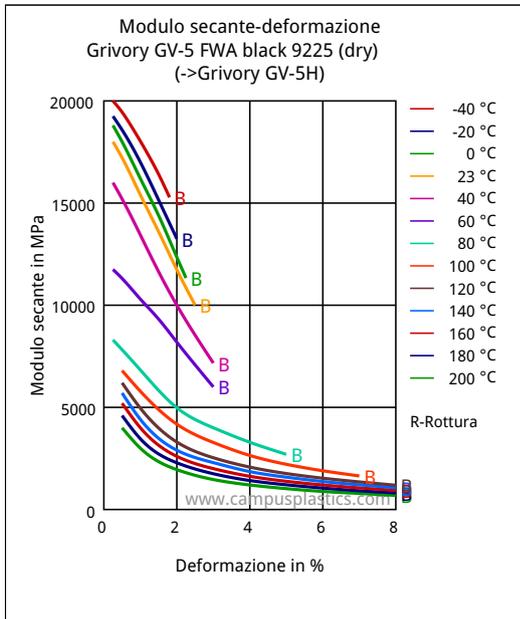
**Sforzi-deformazione**



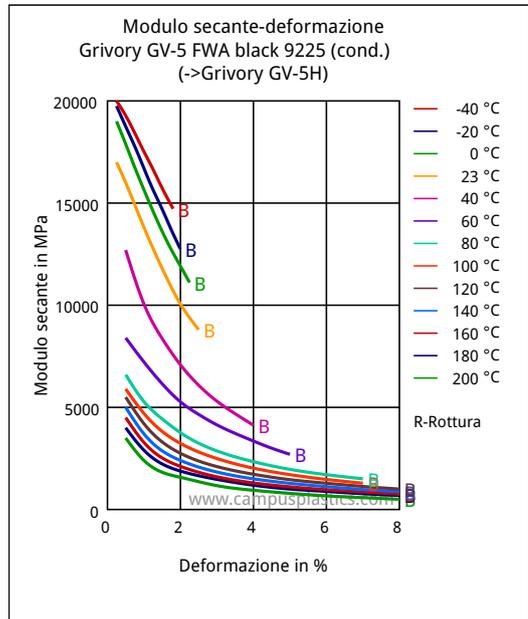
**Sforzi-deformazione**



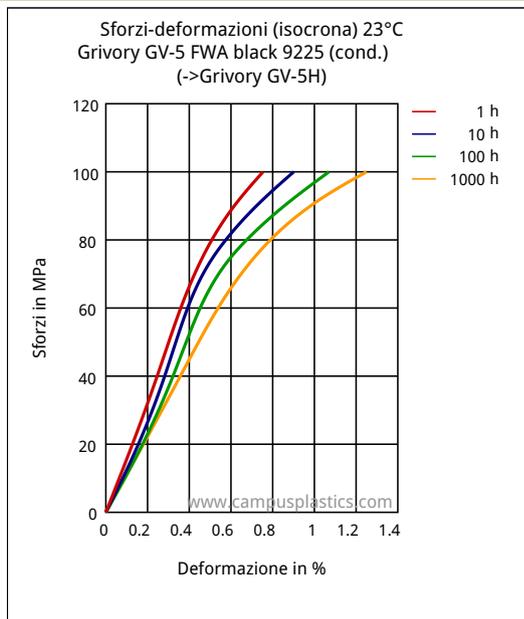
**Modulo secante-deformazione**



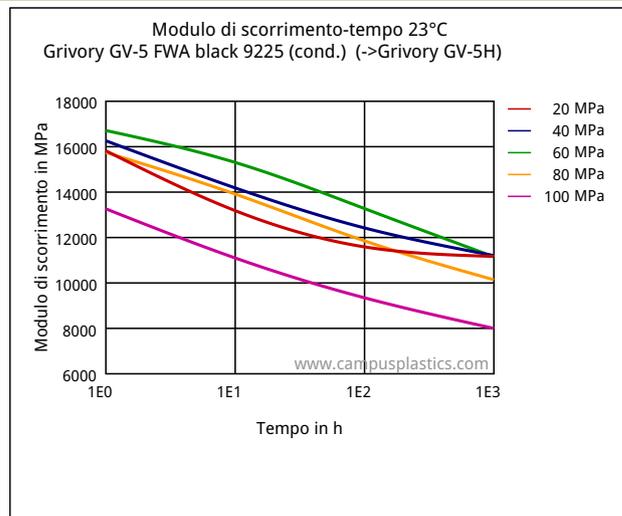
**Modulo secante-deformazione**



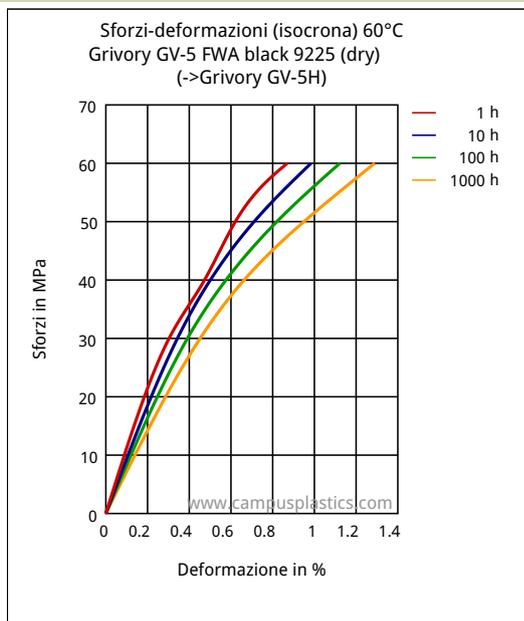
**Sforzi-deformazioni (isocrona) 23°C**



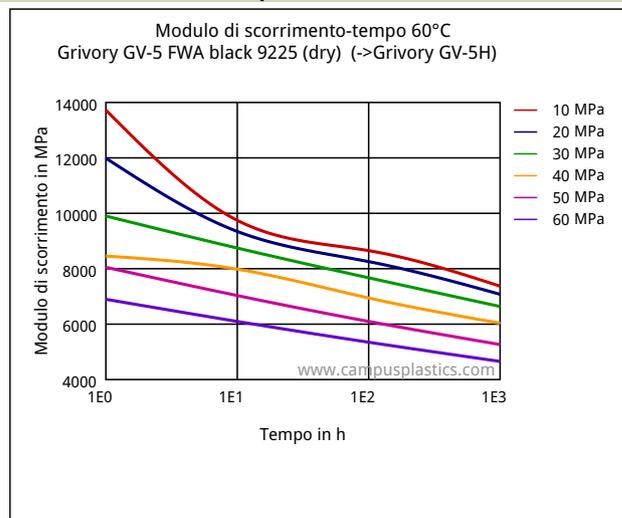
**Modulo di scorrimento-tempo 23°C**



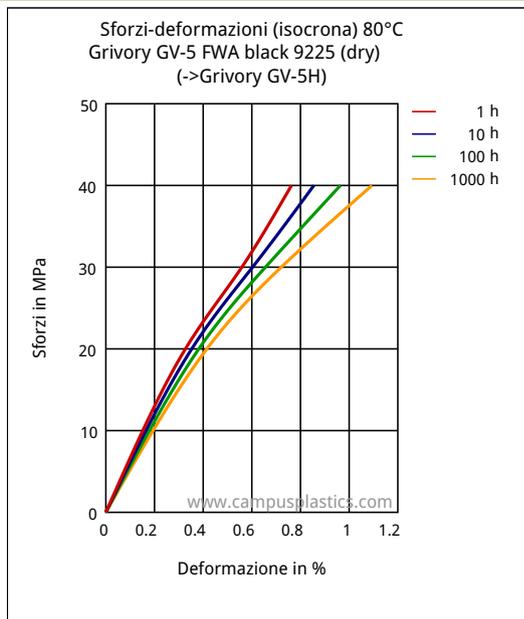
**Sforzi-deformazioni (isocrona) 60°C**



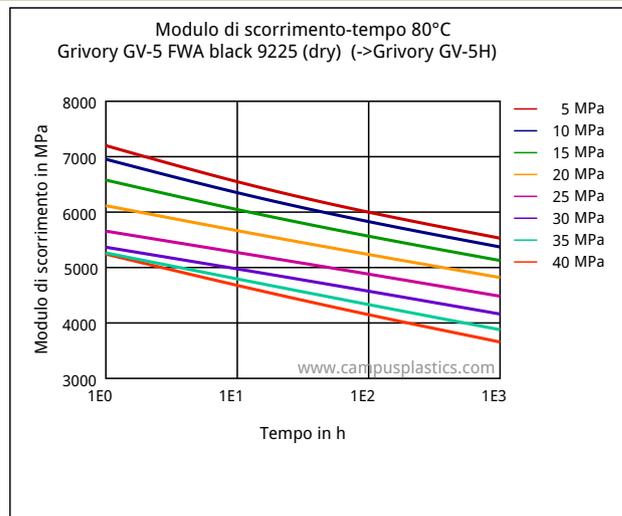
**Modulo di scorrimento-tempo 60°C**



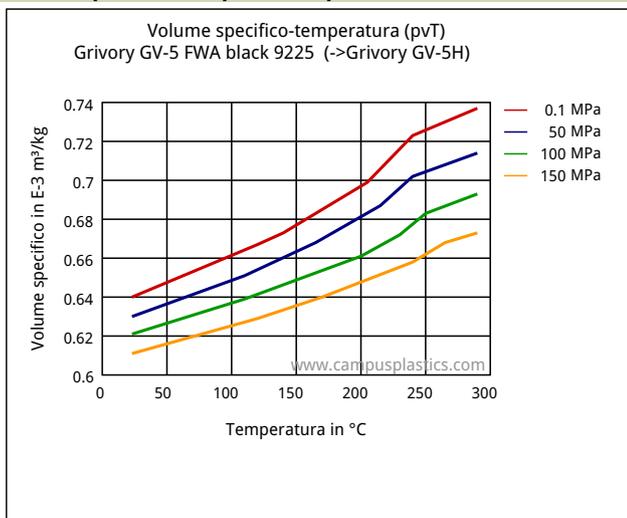
**Sforzi-deformazioni (isocrona) 80°C**



**Modulo di scorrimento-tempo 80°C**



**Volume specifico-temperatura (pvT)**



**Caratteristiche**

**Processabilità e Forma di Forni**

Stampaggio ad Iniezione

**Forma fisica disponibile**

Granuli

EMS-CHEMIE AG

Business Unit EMS-GRIVORY

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**Disponibilità geografica**

Nord America, Europa, Asia Oceano Pacifico, South and Central America, Near East/Africa

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