



This datasheet of **Akulon® CO-KGV5** from **Envalior** is provided by the international plastics database **CAMPUS**.

Akulon® CO-KGV5 | PA6-GF25 FR(30) | Envalior

Product Texts

25% Glass Reinforced, Flame Retardant (halogen- phosphorous-free), Laser Markable

ISO 1043 PA6-GF25 FR(30)

Rheological properties	dry / cond	Unit
Molding shrinkage, parallel	0.6 / *	%
Molding shrinkage, normal	1.0 / *	%
Mechanical properties	dry / cond	Unit
Tensile modulus	6000 / 2810	MPa
Stress at break	85 / 37	MPa
Strain at break	2.5 / 20.3	%
Charpy impact strength, +23°C	35 / -	kJ/m ²
Thermal properties	dry / cond	Unit
Melting temperature, 10°C/min	220 / *	°C
Temp. of deflection under load, 1.80 MPa	170 / *	°C
Temp. of deflection under load, 0.45 MPa	213 / *	°C
Burning behavior at 1.5 mm nominal thickness	V-2 / *	class
Thickness tested (1.5)	1.5 / *	mm
Yellow Card available	Yes / *	-
Burning behavior at thickness h	V-2 / *	class
Thickness tested (h)	3.0 / *	mm

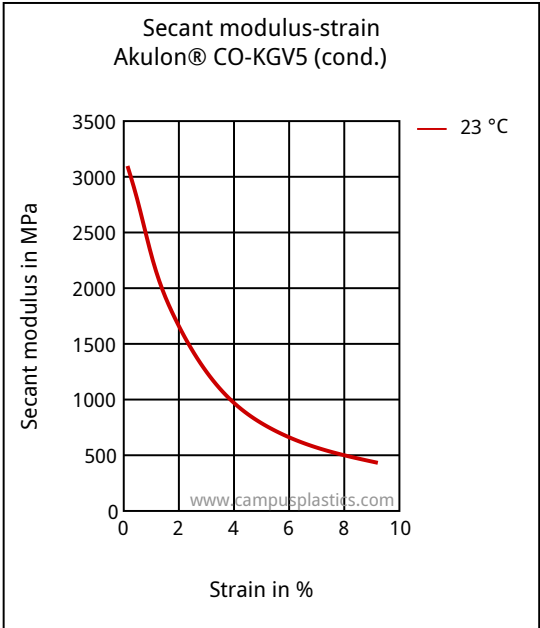
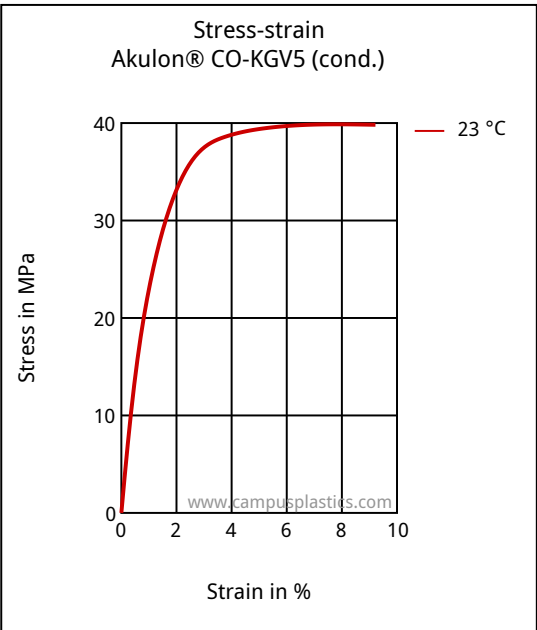
Electrical properties

Volume resistivity	dry / cond	Unit
	1E13 / 1E11	Ohm*m
Surface resistivity	* / 1E14	Ohm
Comparative tracking index	475 / -	-

Other properties

Water absorption	dry / cond	Unit
	6.6 / *	%
Humidity absorption	2.2 / *	%
Density	1360 / -	kg/m³

Diagrams



Characteristics

Processing

Injection Molding

Delivery form

Pellets

Regional Availability

Europe, Asia Pacific

Other text information

Injection molding

Injection Molding Recommendations

Steel recommendations for molds screws and barrels

Trouble shooting guideline for injection molding

Privacy
Policy

Close

Chemical Media Resistance

Alcohols

Methanol (23°C)

Ethanol (23°C)

Hydrocarbons

Toluene (23°C)

Ketones

Acetone (23°C)

Ethers

Diethyl ether (23°C)

Other

Ethyl Acetate (23°C)

Water (23°C)

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