



This datasheet of **Akulon® CO-KGV4/A JN.00.86** from **Envalior** is provided by the international plastics database **CAMPUS**.

Akulon® CO-KGV4/A JN.00.86 | PA6-GF20 FR | Envalior

Product Texts

20% Glass Reinforced, Heat Stabilized, Flame Retardant (halogen- phosphorous-free)

ISO 1043 PA6-GF20 FR

Mechanical properties	dry / cond	Unit
Tensile modulus	4800 / -	MPa
Stress at break	63 / -	MPa
Strain at break	3 / -	%
Charpy notched impact strength, +23°C	2 / -	kJ/m²

Thermal properties	dry / cond	Unit
Melting temperature, 10°C/min	220 / *	°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
Yellow Card available	Yes / *	-

Electrical properties	dry / cond	Unit
Relative permittivity, 100Hz	4.3 / 10	-
Relative permittivity, 1MHz	3.8 / 3.9	-
Dissipation factor, 100Hz	130 / 3000	E-4
Dissipation factor, 1MHz	2.05 / 1000	E-4

Volume resistivity	1E13 / 1E11	Ohm*m
Surface resistivity	* / 1E14	Ohm
Electric strength	30 / 25	kV/mm
Comparative tracking index	600 / -	-

Other properties

	dry / cond	Unit
Water absorption	6.5 / *	%
Humidity absorption	2 / *	%
Density	1340 / -	kg/m ³

Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Europe

Other text information

Injection molding

Injection Molding Recommendations

Steel recommendations for molds screws and barrels

Trouble shooting guideline for injection molding

Chemical Media Resistance

Alcohols

Methanol (23°C)

Ethanol (23°C)

Hydrocarbons

Toluene (23°C)

Ketones

Acetone (23°C)

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Diethyl ether (23°C)

Other

Ethyl Acetate (23°C)

Water (23°C)

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