

Akulon® CO-KGV5

PA6-GF25 FR(30)

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

Print Date: 2018-10-03

Properties	Typical Data	Unit	Test Method
Mechanical properties dry / cond			
Tensile modulus	6000 / 2810	MPa	ISO 527-1/-2
Stress at break	85 / 37	MPa	ISO 527-1/-2
Strain at break	2.5 / 20.3	%	ISO 527-1/-2
Charpy impact strength (+23°C)	35 / -	kJ/m ²	ISO 179/1eU
Thermal properties dry / cond			
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	170 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	213 / *	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
Glow Wire Flammability Index GWFI	960 / -	°C	IEC 60695-2-12
GWFI (Thickness (1) tested)	1 / -	mm	IEC 60695-2-12
Electrical properties dry / cond			
Volume resistivity	1E13 / 1E11	Ohm*m	IEC 60093
Surface resistivity	* / 1E14	Ohm	IEC 60093
Comparative tracking index	475 / -	V	IEC 60112
Other properties dry / cond			
Water absorption	6.6 / *	%	Sim. to ISO 62

Property Data (Provisional)

Akulon[®] CO-KGV5

Print Date: 2018-10-03

Properties	Typical Data	Unit	Test Method
Humidity absorption	2.2 / *	%	Sim. to ISO 62
Density	1360 / -	kg/m ³	ISO 1183