

Akulon® SG-KGS6

PA66-GF30 FR

30% Glass Reinforced, Halogen free and free of red phosphorous

Print Date: 2019-09-24

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage [parallel]	0.2 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	0.8 / *	%	Sim. to ISO 294-4
Mechanical properties	dry / cond		
Tensile modulus	11000 / -	MPa	ISO 527-1/-2
Stress at break	150 / -	MPa	ISO 527-1/-2
Strain at break	2.8 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	63 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	9 / -	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond		
Melting temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	245 / *	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.4 / *	mm	IEC 60695-11-10
Electrical properties	dry / cond		
Electric strength	36 / 32	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	V	IEC 60112
Other properties	dry / cond		
Water absorption	4.3 / *	%	Sim. to ISO 62

Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1440 / -	kg/m ³	ISO 1183