

## Akulon® SG-KGS6

## PA66-GF30 FR

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

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Properties	Typical Data	Unit	Test Method
<b>Rheological properties</b>			
	dry / cond		
Molding shrinkage [parallel]	0.2/*	%	Sim. to ISO 294-4
Molding shrinkage [normal]	0.8/*	%	Sim. to ISO 294-4
<b>Mechanical properties</b>			
	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 <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	9/-	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
	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 Beh. at 1.5 mm nom. thickn.	V-0/*	class	IEC 60695-11-10
Thickness tested	1.5/*	mm	IEC 60695-11-10
Burning Beh. at thickness h	V-0/*	class	IEC 60695-11-10
Thickness tested	0.4/*	mm	IEC 60695-11-10
<b>Electrical properties</b>			
	dry / cond		
Electric strength	36/32	kV/mm	IEC 60243-1
Comparative tracking index	600/-	-	IEC 60112

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Properties	Typical Data	Unit	Test Method
<b>Other properties</b>	dry / cond		
Water absorption	4.3/*	%	Sim. to ISO 62
Humidity absorption	1.6/*	%	Sim. to ISO 62
Density	1440/-	kg/m <sup>3</sup>	ISO 1183