

Akulon® SafeConnect SC22

PA66-GF25 FR(17)

25% Glass Reinforced, Flame Retardant

Print Date: 2019-07-04

Properties	Typical Data	Unit	Test Method
Mechanical properties			
	dry / cond		
Tensile modulus	11000 / -	MPa	ISO 527-1/-2
Stress at break	160 / -	MPa	ISO 527-1/-2
Strain at break	2.8 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	60 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
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
Glow Wire Flammability Index GWFI	960 / -	°C	IEC 60695-2-12
GWFI (Thickness (1) tested)	0.4 / -	mm	IEC 60695-2-12
Glow Wire Flammability Index GWFI	960 / -	°C	IEC 60695-2-12
GWFI (Thickness (2) tested)	1.6 / -	mm	IEC 60695-2-12
Glow Wire Ignition Temperature GWIT	875 / -	°C	IEC 60695-2-13
GWIT (Thickness (1) tested)	0.4 / -	mm	IEC 60695-2-13
Glow Wire Ignition Temperature GWIT	800 / -	°C	IEC 60695-2-13
GWIT (Thickness (2) tested)	1.6 / -	mm	IEC 60695-2-13
Electrical properties			
	dry / cond		
Comparative tracking index	300 / -	V	IEC 60112

Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Other properties	dry / cond		
Density	1600 / -	kg/m ³	ISO 1183