

Akulon® XG-FKGS6

PA6-GF30 FR

30% Glass Reinforced, Flame Retardant (Halogen free)

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage [parallel]	0.2/*	%	Sim. to ISO 294-4
Molding shrinkage [normal]	0.6/*	%	Sim. to ISO 294-4
Mechanical properties	dry / cond		
Tensile modulus	11500/7100	MPa	ISO 527-1/-2
Stress at break	135/85	MPa	ISO 527-1/-2
Strain at break	2/3.7	%	ISO 527-1/-2
Charpy impact strength (+23°C)	50/-	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	8/-	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond		
Temp. of deflection under load (1.80 MPa)	205/*	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm nom. thickn.	V-0/*	class	IEC 60695-11-10
Thickness tested	1.6/*	mm	IEC 60695-11-10
Burning Behav. at thickness h	V-0/*	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)	1.6/-	mm	IEC 60695-2-12
Glow Wire Flammability Index GWFI	960/-	°C	IEC 60695-2-12
GWFI (Thickness (2) tested)	0.8/-	mm	IEC 60695-2-12
Glow Wire Ignition Temperature GWIT	775/-	°C	IEC 60695-2-13
GWIT (Thickness (1) tested)	1.6/-	mm	IEC 60695-2-13
Glow Wire Ignition Temperature GWIT	775/-	°C	IEC 60695-2-13
GWIT (Thickness (2) tested)	1/-	mm	IEC 60695-2-13
Electrical properties	dry / cond		
Comparative tracking index	*/600	-	IEC 60112
Other properties	dry / cond		
Humidity absorption	1.7/*	%	Sim. to ISO 62

