

Akulon® K222-KGV5

PA6-GF25 FR

25% Glass Reinforced, Flame Retardant (halogen free), Heat Stabilized

Print Date: 2018-12-13

Properties	Typical Data	Unit	Test Method
Rheological properties dry / cond			
Molding shrinkage (parallel)	0.6 / *	%	ISO 294-4
Molding shrinkage (normal)	1 / *	%	ISO 294-4
Mechanical properties dry / cond			
Tensile modulus	6500 / -	MPa	ISO 527-1/-2
Stress at break	85 / -	MPa	ISO 527-1/-2
Strain at break	4.8 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	45 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4 / -	kJ/m ²	ISO 179/1eA
Thermal properties dry / cond			
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
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)	1.6 / -	mm	IEC 60695-2-12
Glow Wire Flammability Index GWFI	960 / -	°C	IEC 60695-2-12
GWFI (Thickness (2) tested)	0.75 / -	mm	IEC 60695-2-12
Other properties dry / cond			
Water absorption	6.1 / *	%	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	1370 / -	kg/m ³	ISO 1183