

Akulon[®] K222–KGV5

PA6–GF25 FR

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

Print Date: 2024–03–27

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	7300 / –	MPa	ISO 527–1/–2
Stress at break	100 / –	MPa	ISO 527–1/–2
Strain at break	4.3 / –	%	ISO 527–1/–2
Charpy impact strength (+23°C)	45 / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5 / –	kJ/m²	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	1.5 / *	mm	IEC 60695–11–10
Burning Behav. at 3.0 mm nom. thickn.	V–2 / *	class	IEC 60695–11–10
Thickness tested	3 / *	mm	IEC 60695–11–10
Burning Behav. at 0.75 mm nom. thickn.	V–2 / *	class	IEC 60695–11–10
Thickness tested	0.75 / *	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

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
OTHER PROPERTIES	DRY / COND		
Water absorption	6.1 / *	%	Sim. to ISO 62
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1380 / –	kg/m³	ISO 1183

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