

Akulon® K224-LG7/E

PA6-GF35

35% Glass Reinforced, UV Stabilized

Print Date: 2019-03-28

Properties	Typical Data	Unit	Test Method
Rheological properties dry / cond			
Molding shrinkage (parallel)	0.15 / *	%	ISO 294-4
Molding shrinkage (normal)	1 / *	%	ISO 294-4
Mechanical properties dry / cond			
Tensile modulus	11500 / 7000	MPa	ISO 527-1/-2
Stress at break	190 / 120	MPa	ISO 527-1/-2
Strain at break	2.7 / 6	%	ISO 527-1/-2
Flexural modulus	9700 / -	MPa	ISO 178
Flexural strength	255 / -	MPa	ISO 178
Charpy impact strength (+23°C)	70 / 80	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11 / 18	kJ/m ²	ISO 179/1eA
Thermal properties dry / cond			
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.2 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.6 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
Other properties dry / cond			
Water absorption	5.9 / *	%	Sim. to ISO 62

Property Data

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Properties	Typical Data	Unit	Test Method
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1400 / -	kg/m ³	ISO 1183