

Akulon® GA-XLG6

PA6/Semi-aromatic polymer-GF30

30% Glass Reinforced, UV Stabilized

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage (parallel)	0.2 / *	%	ISO 294-4
Molding shrinkage (normal)	0.6 / *	%	ISO 294-4
Mechanical properties	dry / cond		
Tensile modulus	9600 / 6500	MPa	ISO 527-1/-2
Stress at break	170 / 115	MPa	ISO 527-1/-2
Strain at break	3 / 7	%	ISO 527-1/-2
Flexural modulus	8500 / 5500	MPa	ISO 178
Flexural strength	270 / 175	MPa	ISO 178
Charpy impact strength (+23°C)	65 / 85	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	9.5 / 12	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond		
Melting temperature (10°C/min)	222 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	196 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	216 / *	°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)	0.7 / *	E-4/°C	ISO 11359-1/-2
Other properties	dry / cond		
Humidity absorption	2.2 / *	%	Sim. to ISO 62
Density	1360 / -	kg/m ³	ISO 1183

