Property Data

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Akulon® AKV30H2.0GS

Nylatron® GS–51

PA66–GF32

32% Glass Fiber Reinforced, MoS2 Lubricated

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**DRY / COND**		
Molding shrinkage (parallel)	0.4 / *	%	ISO 294–4
Molding shrinkage (normal)	1.2 / *	%	ISO 294–4
MECHANICAL PROPERTIES	**DRY / COND**		
Tensile modulus	10500 / 7500	MPa	ISO 527–1/–2
Stress at break	185 / 140	MPa	ISO 527–1/–2
Strain at break	3 / 5	%	ISO 527–1/–2
Charpy notched impact strength (+23°C)	10 / 20	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	7 / 10	kJ/m²	ISO 179/1eA
Flexural modulus	9200 / –	MPa	ISO 178
Flexural strength	280 / –	MPa	ISO 178
Izod notched impact strength (+23°C)	9.5 / –	kJ/m²	ISO 180/1A
THERMAL PROPERTIES	**DRY / COND**		
Temp. of deflection under load (1.80 MPa)	250 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	260 / *	°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**		
Water absorption	6 / *	%	Sim. to ISO 62
Humidity absorption	1.6 / *	%	Sim. to ISO 62
Density	1400 / *	kg/m³	ISO 1183

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