

Tufnyl™ SGF15 Natural

PA6–GF15

Injection Molding, 15% Glass Fiber Reinforced

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	VALUE		
Molding shrinkage (parallel)	0.5	%	ISO 294–4
Molding shrinkage (normal)	0.9	%	ISO 294–4
MECHANICAL PROPERTIES	VALUE		
Tensile modulus	5500	MPa	ISO 527–1/–2
Stress at break	115	MPa	ISO 527–1/–2
Strain at break	3	%	ISO 527–1/–2
Flexural modulus	4000	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
Izod notched impact strength (+23°C)	8	kJ/m²	ISO 180/1A
THERMAL PROPERTIES	VALUE		
Melting temperature (10°C/min)	220	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	185	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	200	°C	ISO 75–1/–2
OTHER PROPERTIES	VALUE		
Density	1240	kg/m³	ISO 1183
Ash content	15	%	ISO 3451

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