

Tufnyl[®] SGF30 Natural

PA6–GF30

Injection Molding, 30% Glass Reinforced

Print Date: 2025–01–02

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage (parallel)	0.3 / *	%	ISO 294–4
Molding shrinkage (normal)	0.9 / *	%	ISO 294–4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	9500 / –	MPa	ISO 527–1/–2
Stress at break	170 / –	MPa	ISO 527–1/–2
Strain at break	4 / –	%	ISO 527–1/–2
Flexural modulus	8000 / –	MPa	ISO 178
Flexural strength	250 / –	MPa	ISO 178
Charpy impact strength (+23°C)	85 / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / –	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	13 / –	kJ/m²	ISO 180/1A
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	190 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	210 / *	°C	ISO 75–1/–2
OTHER PROPERTIES			
	DRY / COND		
Density	1360 / –	kg/m³	ISO 1183
Ash content	30	%	ISO 3451

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