

Tufnyl[®] SGF30M(I) Black

PA6—GF30

30% Glass Reinforced

Print Date: 2025-01-02

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage [parallel]	0.3 / *	%	Sim. to ISO 294-4
Molding shrinkage [normal]	0.9 / *	%	Sim. to ISO 294-4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	9500 / -	MPa	ISO 527-1/-2
Stress at break	120 / -	MPa	ISO 527-1/-2
Strain at break	2 / -	%	ISO 527-1/-2
Yield stress	120 / -	MPa	ISO 527-1/-2
Yield strain	2 / -	%	ISO 527-1/-2
Flexural modulus	7500 / -	MPa	ISO 178
Flexural strength	180 / -	MPa	ISO 178
Charpy notched impact strength (+23°C)	7 / -	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	6.5 / -	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)	200 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	210 / *	°C	ISO 75-1/-2
OTHER PROPERTIES			
	DRY / COND		
Water absorption	1.4 / *	%	Sim. to ISO 62
Humidity absorption	0.2 / *	%	Sim. to ISO 62
Density	1360 / -	kg/m³	ISO 1183

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Ash content	30	%	ISO 3451

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