

# Tufnyl<sup>®</sup> SGF30 Black

## PA6-GF30

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b><i>RHEOLOGICAL PROPERTIES</i></b>			
	<b><i>DRY / COND</i></b>		
Molding shrinkage (parallel)	0.3 / *	%	ISO 294-4
Molding shrinkage (normal)	0.9 / *	%	ISO 294-4
<b><i>MECHANICAL PROPERTIES</i></b>			
	<b><i>DRY / COND</i></b>		
Tensile modulus	8500 / -	MPa	ISO 527-1/-2
Stress at break	140 / -	MPa	ISO 527-1/-2
Strain at break	2 / -	%	ISO 527-1/-2
Yield stress	140 / -	MPa	ISO 527-1/-2
Yield strain	2 / -	%	ISO 527-1/-2
Flexural modulus	7000 / -	MPa	ISO 178
Flexural strength	210 / -	MPa	ISO 178
Charpy impact strength (+23°C)	60 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	8.5 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength (+23°C)	10 / -	kJ/m <sup>2</sup>	ISO 180/1A
<b><i>THERMAL PROPERTIES</i></b>			
	<b><i>DRY / COND</i></b>		
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
<b><i>OTHER PROPERTIES</i></b>			
	<b><i>DRY / COND</i></b>		
Density	1360 / -	kg/m <sup>3</sup>	ISO 1183
Ash content	30	%	ISO 3451

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