

## SRF LIMITED ENGINEERING PLASTICS BUSINESS

### TUFNYL SGF30 NATURAL

**Product Description:** Polyamide 6 30% Glass filled material for injection molding.

#### Typical Properties

PROPERTY	TEST METHOD	UNIT	VALUE		
<b>Mechanical Properties</b>					
Tensile Strength @ break	ISO 527	MPa	165		
Elongation @ break	ISO 527	%	4		
Flexural Strength	ISO 178	MPa	235		
Flexural Modulus	ISO 178	MPa	7500		
Izod Impact Strength Notched @ 23°C	ISO 179	kJ/m <sup>2</sup>	13		
Rockwell Hardness	ASTM D 785	R Scale	120		
<b>Thermal Properties</b>					
Heat Deflection Temperature @ 1.8 MPa load	ISO 75	°C	210		
Melting Temperature	ISO 3146	°C	220		
<b>Physical Properties</b>					
Density	ISO 1183	kgm/m <sup>3</sup>	0.00136		
Filler Content	SRF	%	30		
<b>Guidelines for Processing Glass Fiber Reinforced Grades</b>					
It is recommended to pre dry the Nylon granules in vacuum / air circulated ovens at 100/80°C for 2 - 4 hrs. using perforated trays					
<b>Injection Molding Parameters:</b> Temperature setting in °C					
Feed	Compression	Melting	Nozzle	Melt	Mould
240-250	270-285	270-285	265-275	250 -260	80 -100

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