

## SRF LIMITED ENGINEERING PLASTICS BUSINESS

### TUFNYL SGF30 E BLACK

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

#### Typical Properties

PROPERTY		TEST METHOD	UNIT	VALUE	
Mechanical Properties					
Tensile Strength @ break		ISO 527	MPa	140	
Elongation @ break		ISO 527	%	4	
Flexural Strength		ISO 178	MPa	230	
Flexural Modulus		ISO 178	MPa	7500	
Izod Impact Strength Notched @ 23°C		ISO 179	kJ/m <sup>2</sup>	10	
Rockwell Hardness		ISO 2039-2	R Scale	115	
Thermal Properties					
Heat Deflection Temperature @ 1.8 MPa load		ISO 75	°C	200	
Melting Temperature		ISO 3146	°C	220	
Physical Properties					
Specific Gravity		ISO 1183	g/cm3	1.36	
Filler Content		SRF	%	30	
Guidelines for Processing Glass Fiber Reinforced Grades					
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					
Injection Molding Parameters: Temperature setting in °C					
Feed	Compression	Melting	Nozzle	Melt	Mould
240-250	270-285	270-285	265-275	250 -260	80 -100

**Plant:** Manali Industrial Area, Manali, Chennai - 600 068, INDIA

**Phone:** +91-44-2594 6206 **Fax:** +91-44-2594 3073 **Email:** [qualityassurance@srf.com](mailto:qualityassurance@srf.com)

**Corporate office:** Unitech Crest, Block C, Plot 946, Sector 45, Gurgaon, Haryana-122 003

**Disclaimer :**

Information contained in this document is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. The information is given in good faith, but no warranty, express or implied is made. Consult SRF LIMITED ( Engineering Plastics Business) for further information.