

SRF LIMITED ENGINEERING PLASTICS BUSINESS

TUFNYL SGF15 NATURAL

Product Description: Polyamide 6 15% Glass filled material for injection molding.

Typical Properties

PROPERTY		TEST METHOD	UNIT	VALUE	
Mechanical Properties					
Tensile Strength @ break		ISO 527	MPa	112	
Elongation @ break		ISO 527	%	4.5	
Flexural Strength		ISO 178	MPa	174	
Flexural Modulus		ISO 178	MPa	4000	
Izod Impact Strength Notched @ 23°C		ISO 179	kJ/m ²	9	
Rockwell Hardness		ASTM D 785	R Scale	120	
Thermal Properties					
Heat Deflection Temperature @ 1.8 MPa load		ISO 75	°C	170	
Melting Temperature		ISO 3146	°C	220	
Physical Properties					
Density		ISO 1183	g/cm ³	1.24	
Filler Content		SRF	%	15	
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

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.