

SRF LIMITED ENGINEERING PLASTICS BUSINESS

TUFNYL SA 102 NATURAL

Product Description: Polyamide 6 Unfilled material for injection molding.

Typical Properties

PROPERTY	TEST METHOD	UNIT	VALUE		
Mechanical Properties					
Tensile Strength @ break	ISO 527	MPa	75		
Elongation @ break	ISO 527	%	10		
Flexural Strength	ISO 178	MPa	120		
Flexural Modulus	ISO 178	MPa	2500		
Izod Impact Strength Notched @ 23 °C	ISO 179	kJ/m ²	4		
Rockwell Hardness	ISO 2039-2	R Scale	110		
Thermal Properties					
Heat Deflection Temperature @ 1.8 MPa load	ISO 75	°C	65		
Melting Temperature	ISO 3146	°C	220		
Physical Properties					
Density	ISO 1183	g/cm ³	1.13		
Guidelines for Processing					
It is recommended to pre dry the Nylon granules in vacuum / air circulated ovens at 100/80°C for 1 - 2hrs. using perforated trays					
Injection Molding Parameters: Temperature setting in °C					
Feed	Compression	Melting	Nozzle	Melt	Mould
235- 240	245 - 250	250 - 255	240 - 245	225 -235	80 -100

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Disclaimer : 26.12.12

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