

TUFNYL® RHS NATURAL

Polyamide 66

SRF Ltd.

Message:

Polyamide 66, Un-Filled heat stabilized material for injection molding

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5 to 1.8	%	Internal Method
Water Absorption (Equilibrium)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	80		
R-Scale	115		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	75.0	MPa	ISO 527-2
Tensile Strain (Break)	10	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	49.0	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	260	°C	DSC
Heat Stability			ASTM D4066
24 hrs : 204°C	Passes		
72 hrs : 204°C	Passes		
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	21	kV/mm	ASTM D149
Comparative Tracking Index	> 600	V	IEC 60112
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	

Processing (Melt) Temp	280 to 300	°C
Mold Temperature	40.0 to 80.0	°C
Injection Pressure	3.50 to 12.5	MPa
Injection Rate	Fast	

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Recommended distributors for this material

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