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/cm³	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	

Recommended distributors for this material

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