

TUFNYL® SHS ORANGE

Polyamide 6

SRF Ltd.

Message:

Polyamide 6, Un-filled, Heat stabilized, orange pigmented material for injection molding

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Orange		
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)	2.0	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	75		
R-Scale	115		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	65.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	110	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	220	°C	DSC
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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