Staramide RF00ASXS

Polyamide 66

Eurostar Engineering Plastics

Message:

Staramide RF00ASXS is a 50 % Glass Fiber Reinforced Polyamide 66 Injection Molding Resin

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.57	g/cm³	ASTM D792
Molding Shrinkage - Flow (4.00 mm)	0.10 to 0.30	%	Internal Method
Water Absorption (23°C, 24 hr)	0.70	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	15400	MPa	ISO 527-2/1
Tensile Stress (Yield)	210	MPa	ISO 527-2/5
Tensile Strain (Break)	2.4	%	ISO 527-2/5
Flexural Modulus [1]	14100	MPa	ISO 178
Flexural Stress	305	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength [2] (23°C)	15	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength [3] (23°C)	80	kJ/m²	ISO 180/1U
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed, 64.0 mm Span [4]	259	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span [5]	246	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.6E-5	cm/cm/°C	
Transverse : 23 to 60°C	8.4E-5	cm/cm/°C	
Injection	**Nominal Value**	**Unit**	
Drying Temperature	75.0 to 85.0	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	260 to 280	°C	
Middle Temperature	270 to 280	°C	
Front Temperature	270 to 290	°C	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	60.0 to 90.0	°C	
NOTE			

1.	2.0 mm/min
2.	80*10*4
3.	80*10*4
4.	80*10*4
5.	80*10*4

Recommended distributors for this material

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