

Staramide RF006EU

Polyamide 66/6 Copolymer
Eurostar Engineering Plastics

Message:

Staramide RF006EU an UV stabilized Glass Fiber Reinforced Polyamide 66 / Polyamide 6 Injection Molding Resin (also known as Staramide 66 C 30V S4)

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	UV Stabilizer		
Features	Good UV Resistance		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.20	%	Internal Method
Water Absorption (23°C, 24 hr)	3.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8800	MPa	ISO 527-2/1
Tensile Stress (Yield)	170	MPa	ISO 527-2/5
Tensile Strain (Yield)	3.3	%	ISO 527-2/5
Flexural Modulus ¹	7600	MPa	ISO 178
Flexural Stress	233	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	14	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	80	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	215	°C	ISO 75-2/Af
CLTE - Flow (23 to 60°C)	2.4E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	255 to 275	°C	
Middle Temperature	265 to 275	°C	
Front Temperature	265 to 275	°C	
Processing (Melt) Temp	265 to 275	°C	
Mold Temperature	70.0 to 90.0	°C	
NOTE			
1.	2.0 mm/min		

2.	80*10*4
3.	80*10*4
4.	80*10*4

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