

Staramide RFC16

Polyamide 66/6 Copolymer
Eurostar Engineering Plastics

Message:

Staramide RFC16 is a Glass Fiber and Carbon Fiber Reinforced Polyamide 66 / Polyamide 6 Injection Molding Resin (also known as STAR C PA66 C 303VY Z3)

General Information			
Filler / Reinforcement	Glass\Carbon Fiber		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9000	MPa	ISO 527-2/1
Tensile Stress (Yield)	141	MPa	ISO 527-2/5
Tensile Strain (Yield)	2.9	%	ISO 527-2/5
Flexural Modulus ¹	7900	MPa	ISO 178
Flexural Stress	215	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	10	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	55	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴ (1.8 MPa, Unannealed, 64.0 mm Span)	211	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.9E-5	cm/cm/°C	
Transverse : 23 to 60°C	9.1E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	265 to 275	°C	
Middle Temperature	270 to 290	°C	
Front Temperature	270 to 290	°C	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	60.0 to 100	°C	
NOTE			
1.	2.0 mm/min		
2.	80*10*4		
3.	80*10*4		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

