

# Matrixx F662E13

Polyamide 66

The Matrixx Group, Inc.

## Message:

Matrixx F662E13 is a polyamide 66 (nylon 66) material, which contains a 13% glass fiber reinforced material. This product is available in North America and is processed by injection molding. The main characteristics of Matrixx F662E13 are: flame retardant/rated flame.

The typical application fields of Matrixx F662E13 are: industrial applications

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 13% filler by weight		
Uses	Industrial application		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 - 0.60	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	110	MPa	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	238	°C	ASTM D648
RTI	65.6	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	71.1 - 93.3	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	271 - 299	°C	
Middle Temperature	271 - 299	°C	
Front Temperature	271 - 299	°C	
Processing (Melt) Temp	277 - 299	°C	
Mold Temperature	65.6 - 93.3	°C	
Injection Rate	Moderate-Fast		
Back Pressure	< 0.345	MPa	
Cushion	6.35 - 12.7	mm	
Injection instructions			

Dessicant dryer with -20°F dewpointScrew Speed: Slow to Medium

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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

