

# Matrixx 665E0

Polyamide 66  
The Matrixx Group, Inc.

Message:

Matrixx 665E0 is a polyamide 66 (nylon 66) material. This product is available in North America and is processed by injection molding.  
The main features of Matrixx 665E0 are:  
flame retardant/rated flame  
Impact resistance

General Information			
Features	Impact resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8 - 2.4	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	46.2	MPa	ASTM D638
Flexural Modulus - Tangent	1790	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	800	J/m	ASTM D256
Dart Drop Impact	> 36.2	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
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 - 82.2	°C	
Drying Time	4.0	hr	
Rear Temperature	249 - 293	°C	
Middle Temperature	249 - 293	°C	
Front Temperature	249 - 293	°C	
Processing (Melt) Temp	271 - 293	°C	
Mold Temperature	51.7 - 82.2	°C	
Injection Rate	Moderate-Fast		
Back Pressure	< 0.345	MPa	
Cushion	3.18 - 6.35	mm	
Injection instructions			

-20°C DewpointScrew Speed: Medium

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infringement occurs, please contact us immediately.

Recommended distributors for this material

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