

Matrixx P63E0

Polyamide 6

The Matrixx Group, Inc.

Message:

Matrixx P63E0 is a polyamide 6 (nylon 6) material. This product is available in North America and is processed by injection molding.

The main features of Matrixx P63E0 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	1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.0 - 1.4	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	63.4	MPa	ASTM D638
Flexural Modulus - Tangent	2410	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	210	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	82.2	°C	
Drying Time	4.0 - 6.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	243 - 282	°C	
Middle Temperature	243 - 282	°C	
Front Temperature	243 - 282	°C	
Processing (Melt) Temp	238 - 271	°C	
Mold Temperature	60.0 - 82.2	°C	
Injection Rate	Moderate		
Back Pressure	< 0.345	MPa	
Cushion	3.18 - 6.35	mm	
Injection instructions			
-20°C DewpointScrew Speed: Medium			

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Recommended distributors for this material

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