

Technical Data Sheet

Matrixx F662E13

Polyamide 66
Engineering Plastics



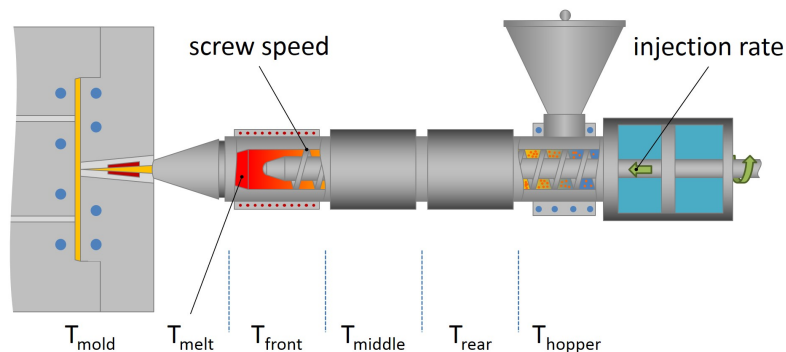
General

Filler / Reinforcement	• Glass Fiber, 13% Filler by Weight
Uses	• Industrial Applications
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.22	1.22 g/cm ³	ASTM D792
Molding Shrinkage - Flow (0.125 in (3.18 mm))	3.0E-3 to 6.0E-3 in/in	0.30 to 0.60 %	Internal Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	16000 psi	110 MPa	ASTM D638
Flexural Modulus	700000 psi	4830 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.90 ft·lb/in	48 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	460 °F	238 °C	ASTM D648
RTI Str	150 °F	65.6 °C	UL 746
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 in (1.5 mm))	HB	HB	UL 94

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	160 to 200 °F	71 to 93 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Rear Temperature	520 to 570 °F	271 to 299 °C
Middle Temperature	520 to 570 °F	271 to 299 °C
Front Temperature	520 to 570 °F	271 to 299 °C
Processing (Melt) Temp	530 to 570 °F	277 to 299 °C
Mold Temperature	150 to 200 °F	66 to 93 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Back Pressure	< 50.0 psi	< 0.345 MPa
Cushion	0.250 to 0.500 in	6.35 to 12.7 mm

Injection Notes

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

Notes

These are typical property values not to be construed as specification limits.