

HiFill® MD PA66 0125 LE

Techmer Polymer Modifiers - *Polyamide 66*

Product Description

Nylon PA 66, Metallic Filler, Activated for Metal Detection, Low Extractables for FDA Compliant Applications

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Low Extractables • Metal Detectable
Agency Ratings	• FDA
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.017	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10500	psi	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638
Flexural Modulus	400000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Annealed)	280	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	180	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Time	2.0 to 4.0	hr
Rear Temperature	540 to 560	°F
Middle Temperature	550 to 570	°F
Front Temperature	530 to 550	°F
Nozzle Temperature	540 to 560	°F
Processing (Melt) Temp	540 to 580	°F
Mold Temperature	130 to 200	°F

