

**HiFill® MD PA66 0125 LE**

 Techmer Polymer Modifiers - *Polyamide 66*
**General Information**
**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 <sup>1</sup>**

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

**Processing Information**

<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
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

