

Electrafil® NY-7/EC NATL

Techmer Polymer Modifiers - Polyamide 6

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Electrically Conductive
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9000	psi	ASTM D638
Tensile Strength (Break)	9000	psi	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	370000	psi	ASTM D790
Flexural Strength	12500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.8	ft·lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+6	ohms	ASTM D257

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	490 to 510	°F
Middle Temperature	520 to 540	°F
Front Temperature	520 to 540	°F
Nozzle Temperature	520 to 540	°F
Processing (Melt) Temp	520 to 540	°F
Mold Temperature	125 to 175	°F
Injection Rate	Slow	
Back Pressure	75.0 to 125	psi
Screw Speed	Slow-Moderate	

