

Electrafil® M-1526/EC

Techmer Polymer Modifiers - Polyamide

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Additive	• Carbon Black
Features	• Antistatic • Electrically Conductive
Uses	• Automotive Electronics • Business Equipment • Packaging • Bushings • Conveyor Parts
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.19		ASTM D792
Molding Shrinkage - Flow	0.013	in/in	ASTM D955
Water Absorption (24 hr)	1.0	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	10400	psi	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	500000	psi	ASTM D790
Flexural Strength (Yield)	18000	psi	ASTM D790
Impact			
Notched Izod Impact	1.4	ft·lb/in	ASTM D256
Unnotched Izod Impact	No Break		ASTM D4812
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	178	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+5	ohms	ASTM D257
Flammability			
Flame Rating	HB		UL 94

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	165 to 220	°F
Drying Time	2.0 to 16	hr
Rear Temperature	490 to 520	°F
Middle Temperature	520 to 550	°F
Front Temperature	500 to 540	°F
Nozzle Temperature	480 to 550	°F
Processing (Melt) Temp	480 to 530	°F
Mold Temperature	140 to 180	°F

