

Electrafil® M-1526/EC

Techmer Polymer Modifiers - *Polyamide*

General Information

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
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	Nominal Value	Unit	Test Method
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	Nominal Value	Unit	Test Method
Notched Izod Impact	1.4	ft-lb/in	ASTM D256
Unnotched Izod Impact	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	178	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
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

