

Electrafil® M-1526/EC

Polyamide

Techmer Engineered Solutions

Message:

Electrafil® M-1526/EC is a Polyamide product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Electrafil® M-1526/EC include automotive, business/office goods, conveyors, engineering/industrial parts and packaging.

Characteristics include:

- Flame Rated
- RoHS Compliant
- Carbon Black
- Conductive

General Information			
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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.3	%	ASTM D955
Water Absorption (24 hr)	1.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	71.7	MPa	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength (Yield)	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	75	J/m	ASTM D256
Unnotched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	81.1	°C	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
Injection	Nominal Value	Unit	
Drying Temperature	73.9 to 104	°C	
Drying Time	2.0 to 16	hr	
Rear Temperature	254 to 271	°C	
Middle Temperature	271 to 288	°C	
Front Temperature	260 to 282	°C	
Nozzle Temperature	249 to 288	°C	
Processing (Melt) Temp	249 to 277	°C	
Mold Temperature	60.0 to 82.2	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

