

# Electrafil® ABS LE

Acrylonitrile Butadiene Styrene

Techmer Engineered Solutions

## Message:

Electrafil® ABS LE is an Acrylonitrile Butadiene Styrene (ABS) product filled with stainless steel fiber. It can be processed by injection molding and is available in North America. Typical application: Food Contact Applications.

Characteristics include:

Flame Rated

Conductive

General Information			
Filler / Reinforcement	Stainless Steel Fiber		
Features	Low Extractables		
	Statically Conductive		
Agency Ratings	FDA Unspecified Rating		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm <sup>3</sup>	ASTM D792
Water Absorption (24 hr)	0.28	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	50.3	MPa	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	96.1	°C	ASTM D648
CLTE - Flow	8.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+10	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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