

Electrafil® ABS-1200/SD

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

Base resin is alloyed with an inherently dissipative polymer to achieve permanent static dissipative capabilities without sacrificing appearance or colorability.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Antistatic		
Uses	• Business Equipment	• Electrical Housing	• Electrical Parts
Agency Ratings	• MIL B-81705		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.08		ASTM D792
Molding Shrinkage - Flow	6.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5800	psi	ASTM D638
Tensile Elongation (Yield)	20	%	ASTM D638
Flexural Modulus	270000	psi	ASTM D790
Flexural Strength (Yield)	7700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	6.0	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	175	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+11	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150 to 170	°F
Drying Time	4.0 to 16	hr
Suggested Max Moisture	0.10	%
Rear Temperature	380	°F
Middle Temperature	400	°F
Front Temperature	390	°F
Nozzle Temperature	390	°F
Processing (Melt) Temp	385	°F
Mold Temperature	90	°F
Back Pressure	50.0 to 100	psi

Notes

¹ Typical properties: these are not to be construed as specifications.

