

Electrafil® ABS-1200/SD

Acrylonitrile Butadiene Styrene

Techmer Engineered Solutions

Message:

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

General Information			
UL YellowCard	E253782-484543		
Features	Antistatic		
Uses	Business Equipment		
	Electrical Housing		
	Electrical Parts		
Agency Ratings	MIL B-81705		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	40.0	MPa	ASTM D638
Tensile Elongation (Yield)	20	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Flexural Strength (Yield)	53.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	79.4	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.0E+11	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	65.6 to 76.7	°C	
Drying Time	4.0 to 16	hr	
Suggested Max Moisture	0.10	%	

Rear Temperature	193	°C
Middle Temperature	204	°C
Front Temperature	199	°C
Nozzle Temperature	199	°C
Processing (Melt) Temp	196	°C
Mold Temperature	32.2	°C
Back Pressure	0.345 to 0.689	MPa

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