

# Stat-Rite® S-1150

Acrylonitrile Butadiene Styrene  
Lubrizol Advanced Materials, Inc.

Message:

Stat-Rite® S-1150 is an Inherently Dissipative Polymer (IDP) specially developed using Lubrizol's patented Stat-Rite® IDP technology for use with styrenic and polyester resins to impart permanent static dissipative property to the base resins. Blends of Stat-Rite® S-1150 with the resins can be directly injection molded or extruded into the desired products. Typical loading of 10-25% shall impart surface resistivities of 10<sup>9</sup> -10<sup>11</sup> ohm/square to the final products.

FEATURES

Permanently static dissipative  
Humidity independent

APPLICATIONS

Cleanroom accessories  
Electronic equipment parts and housing

General Information			
Features	Antistatic		
	Humidity Independent		
	Rapid Static Decay		
Uses	Electrical Housing		
	Electrical Parts		
	Electrical/Electronic Applications		
	Housings		
	Masterbatch		
Appearance	Yellow		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	26	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4.83	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	75.8	MPa	ASTM D790
Electrical	Nominal Value	Unit	Test Method
Static Decay			CPM
1000V to 100V, 50% R.H.	0.1	sec	
1000V to 10V, 50% R.H.	0.1	sec	

Surface Resistance - 12% R.H.	5.0E+6	ohms	ESD S11.11
Surface Resistivity - 12% R.H.	5.0E+7	ohms/sq	ESD S11.11

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#### Recommended distributors for this material

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