

Stat-Rite® SIS-534

High Impact Polystyrene
Lubrizol Advanced Materials, Inc.

Message:

Stat-Rite® SIS-534 sheet utilizes Lubrizol's patented Stat-Rite® inherently dissipative polymer (IDP) alloy system to enhance standard HIPS packaging sheet with a layer of clean, permanent ESD protection. Stat-Rite® SIS-534 provides more consistent ESD protection than coatings or anti-stat. The Stat-Rite® skin will NOT deteriorate or wash off over time, thus providing reliable ESD protection for many years.

FEATURES

- More permanent than anti-stat
- Provides protection for many years
- Good rigidity
- Cleaner and more consistent than anti-stats or coatings
- Colorable

APPLICATIONS

- Electronic assembly packaging
- Electronic component packaging

General Information			
Features	Antistatic		
	Clean/High Purity		
	Durable		
	ESD Protection		
	Good Colorability		
	Good Wear Resistance		
	Medium Rigidity		
	Rapid Static Decay		
Uses	Electrical/Electronic Applications		
	Packaging		
Appearance	Violet		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1380	MPa	ASTM D638
Tensile Strength (Yield)	20.7	MPa	ASTM D638
Tensile Elongation (Break)	85	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	75.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Static Decay - 5000V to 50V, 12% R.H.	< 20	msec	FTMS 101C

Surface Resistance - 12% R.H.	2.0E+9	ohms	ESD S11.11
Surface Resistivity - 50% R.H.	5.0E+9	ohms/sq	ASTM D257
Filler Content	IDP Alloy		

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