Stat-Rite® S-240N

Polypropylene Alloy

Lubrizol Advanced Materials, Inc.

Message:

Stat-Rite® S-240N is a static dissipative Polypropylene alloy. Stat-Rite S-240N utilizes the patented Stat-Rite inherently dissipative polymer (IDP) alloy system to provide clean, permanent ESD protection. Stat-Rite® IDP alloys provide consistent static dissipation even when extruded, injection molded or thermoformed into components.
FEATURES
Permanent static dissipative
Humidity insensitive
Ultra-clean: low off-gassing, low ionic contamination
Colorable
Durable: Can be used for years and years
APPLICATIONS
Medical device packaging
Electronic component handling
Hard disk packaging
Cleanroom components
Cleanroom Tool Handles

General Information	
Features	Antistatic
	Clean/High Purity
	Durable
	ESD Protection
	Good Colorability
	Humidity Independent
	Low (to None) Ion Content
	Low to No Outgassing
	Rapid Static Decay
Uses	Computer Components
	Electrical/Electronic Applications
	Medical Packaging
	Medical/Healthcare Applications
	Packaging
Appearance	Natural Color
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.990	g/cm³	ASTM D792

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1540	MPa	ASTM D638
Tensile Strength (Yield)	24.9	MPa	ASTM D638
Tensile Elongation (Yield)	9.9	%	ASTM D638
Flexural Modulus	903	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	75	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	60.0	°C	
1.8 MPa, Unannealed	55.0	°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	5.6E+10	ohms·cm	ASTM D257
Static Decay			CPM
1000V to 100V, 12% R.H.	0.8	sec	
1000V to 10V, 12% R.H.	1.3	sec	
Surface Resistance - 12% R.H.	7.1E+9	ohms	ESD S11.11
Surface Resistivity - 50% R.H.	6.9E+10	ohms/sq	ASTM D257
Filler Content	IDP		

Recommended distributors for this material

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WECHAT