



# fancort industries, inc.

## Stat-Rite® X-53 56Green

Preliminary  
TECHNICAL DATA SHEET

### Green RA-18SDG Universal PCB Rack

**Product Description:** Stat-Rite® X-5356Green is a static dissipative *Polypropylene* alloy.

Stat-Rite X-5356 Green 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.

Properties (typical)	X-5356Green	Units	Test Method
Host Polymer	Polypropylene		
Filler	IDP Alloy		
Color	Green		
Specific Gravity	0.97	g/cc	ASTM D-792
<b>Electrical Properties:</b>			
Surface Resistivity	$3.6 \times 10^{10}$	$\Omega$ /square	ASTM D-257 (50% R.H.)
Surface Resistance	$3.6 \times 10^9$	$\Omega$	ESD S 11.11(12% R.H.)
Volume Resistivity	$6.5 \times 10^{10}$	$\Omega$ -cm	ASTM D-257
Static Decay Rate +5000 V to 50 V -5000 V to -50V +1000 V to 10 V	NA	Seconds	FTMS-101C (12% R.H.)
	NA	Seconds	Charged Plate Monitor (50% R.H.)
	2.1		
Tribocharge (Nitrile Glove)	NA	Volts	Lubrizol Advanced Materials Test Method
<b>Mechanical Properties:</b>			
Tensile Strength @ Break	4160	Psi	ASTM D-638
Tensile Elongation, Break	108	%	ASTM D-638
Tensile Modulus	249,000	Psi	ASTM D-638
Flexural Modulus	191,000	Psi	ASTM D-790-92
HDT @ 66 psi	72	°C	ASTM D-648
HDT@264 psi	NA		
Notched Izod Impact	4.8	ft-lb / in	ASTM D-256-92

These are typical values and should not be used for establishing product specifications. Contact Lubrizol Advanced Materials, Inc if you need data for this purpose.

- Stat-Rite® X-5356 Green is available in pellet form.

#### 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

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