

Ex-Tech Plastics PerformaTech™ PVC XSD-28 Static Dissipative PVC

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Manufactured in thickness from 10 to 60 mils, PerformTech XSD-28 is available in rigid vinyl or PET. XSD-28 is a static dissipative sheet engineered specifically for ESD sensitive packaging for use in ESD controlled environments. Characteristics: Engineered for packaging to contain ESD-sensitive items and for use in ESD controlled environments. Static Dissipative range 1 x 10⁵ ohms per square to less than 1 x 10¹² ohms per square. Thickness ranging from .010 to .060" End Uses: Thermoformed containers. High level of surface resistance and volume resistivity is ideal for the containment, transport and long-term storage of ICs, printed circuit boards and other ESD-sensitive components. Information provided by Ex-Tech Plastics Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ex-Tech-Plastics-PerformaTech-PVC-XSD-28-Static-Dissipative-PVC.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength	43.4 MPa	6300 psi	ASTM D882
Elongation at Break	>= 100 %	>= 100 %	ASTM D882
Izod Impact, Notched	1.44 J/cm	2.70 ft-lb/in	SOP-MEC-002.01

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	61.7 °C	143 °F	ASTM D648-96

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+9 ohm	1.00e+9 ohm	EOS/ESD S11.11-1993
Surface Resistivity per Square	1.00e+10 ohm	1.00e+10 ohm	12% Humidity; ASTM D257
Static Decay	<= 2.0 sec	<= 2.0 sec	EIA 541

Descriptive Properties	Value	Comments
12 day oven again	4.7e10 Ohms	ASTM D257
Cold Impact	-35°C	ASTM D1790
Contact Corrosivity	no corrosion	FTM 101C
Gauge Tolerance	+/-5%	gamma or beta gauges

Polycarbonate Compatibility Descriptive Properties	no attack Value	EIA 564 Comments
Tribocharging	<0.13 nC/in ²	Bellcore GR1421-CORE

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