



Ground Zero Electrostatics Conductive Crosslinked Polyethylene Foam

Conductive Crosslinked Polyethylene Foam

PRODUCT INFORMATION

Ground Zero's conductive closed-cell crosslinked polyethylene foam is specifically engineered for use in the electronics market. The materials are suitable for protection of static sensitive devices and assemblies. Typical applications: shunting of component leads and PCS edge connectors; and Faraday cage encapsulation. Purity and non-sloughing characteristics give our foam a preferred position in the electronics industry.

None of the information given below is a specification.

PROPERTY	TEST METHOD	UNITS	TYPICAL VALUES FOR GRADES
DENSITY	ASTM D3575-91 Suffix: W (Method A)	Pci	3.1
VOLUME RESISTIVITY	ASTM D991-89	Ohms/square	5 x 10 ³
CORROSIVITY	TS 10218A (UK MOD) Conductive sheet Specification	Contact	PASS
WATER EXTRACT		Vapor	PASS
		pH	PASS
		Conductivity	PASS
		Chlorides	PASS
TOTAL CHLORINE			PASS
COMPRESSIVE STRENGTH	ASTM D3575-91 Suffix: D	psi	
@10%			15
@25%			16
@40%			21
@50%			26
COMPRESSION SET	ASTM D3575-91 Suffix: B		
22 hrs @ 50% 73°F 2 hr recovery		%set	10
22 hrs @ 50% 73°F 24 hr recovery		%set	8
TENSILE STRENGTH	ASTM D3575-91 Suffix: T (Cell/Cell)	Psi	85
ELONGATION AT BREAK		%	50
TEAR STRENGTH	ASTM D 3575-91 Suffix: G (Cell/Cell)	LBF/IN	16
RECOMMENDED OPERATING TEMPERATURE RANGE*	INTERNAL	Deg. F min. Deg. F max.	-95 +200

Ground Zero's closed-cell cross linked foams are manufactured by a unique process that uses only pure nitrogen gas as the blowing agent. The foams are produced as rectangular sheets having process skins on all surfaces. Physical properties are measured on full thickness (skin/skin) test samples unless otherwise stated. All Ground Zero's materials are easily fabricated and heat moldable, using standard equipment. Additional technical information, advice on handling and storage, as well as fabricating recommendations are available on request.

*The Maximum Operating Temperature is defined as that temperature which will typically cause a linear shrinkage of 5% after a 24 hr. exposure period, using a sample 100 x 100 x 25mm.

