



TECHNICAL DATA SHEET

PUR90A-ANTISTAT

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PRODUCT DESCRIPTION

PUR90A-ANTISTAT is a static dissipative thermoplastic polyurethane (TPU) alloy. PUR90A-ANTISTAT utilizes a patented inherently dissipative polymer (ISP) alloy system to provide clean, permanent ESD protection.

Properties (typical)	Value	Units	Test Method
Host Polymer	Polyether TPU		
Filler	IDP Alloy		
Specific Gravity	1.16	g/cc	ASTM D-792
Shore Hardness	90A/47D	Shore A	ASTM D-2240
Electrical Properties:			
Surface Resistivity	5×10^9	Ω /square	ASTM D-257
Surface Resistance	5×10^9	Ω	ESD S11.11 (12% R.H.)
Volume Resistivity	5×10^9	Ω -cm	ASTM D-257
Static Decay Time	0.1 0.01	Seconds Seconds	Charge Plate Monitor (50% R.H.) FTMS-101C (12% R.H.)
Mechanical Properties			
Tensile Strength	3800 (26)	psi (MPa)	ASTM D-412
Ultimate Elongation	450	%	ASTM D-412
Modulus @ 100%	1200 (8)	psi (MPa)	ASTM D-412
Modulus @ 300%	2200 (15)	psi (MPa)	ASTM D-412

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