

## Kostat ICP-STAT ICS-1001 PET Sheet

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

### Material Notes:

KOSTATs ICP-STAT is a thermoplastic sheet coated with an inherently conductive polymer (ICP). ICP-STAT has distinctive advantages in ESD and cleanliness performances compared to other materials based on Hygroscopic Antistats and Conductive Fillers. This product exhibits superior transparency and clarity. Special Features: Superior Permanent Static Dissipation Humidity Insensitivity Excellent Wear resistance Low Particle Generation Superior Transparency and Clarity Low Ionic Contamination Excellent Chemical Resistance with Environmentally Friendly Materials Applications: Semiconductors Packaging LCD Components Packaging HDD Components Packaging Electrical & Electronics Packaging Medical Devices Packaging Clean Room Accessories

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kostat-ICP-STAT-ICS-1001-PET-Sheet.php](http://www.lookpolymers.com/polymer_Kostat-ICP-STAT-ICS-1001-PET-Sheet.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	49.0 MPa	7100 psi	ASTM D638
Flexural Strength	68.6 MPa	9950 psi	ASTM D790
Flexural Modulus	1.97 GPa	285 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm	1.80 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	158 Å°C	316 Å°F	ASTM D648

Optical Properties	Metric	English	Comments
Transmission, Visible	>= 85 %	>= 85 %	ASTM D1003

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1e+05 - 1.00e+6 ohm	1e+05 - 1.00e+6 ohm	ASTM D257
	1.00e+6 ohm	1.00e+6 ohm	after 100% elongation; ASTM D257
	1.00e+7 ohm	1.00e+7 ohm	after 200% elongation; ASTM D257
	1.00e+9 ohm	1.00e+9 ohm	after 250% elongation; ASTM D257

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