

Kostat ICP-STAT ICD-1000 PC Sheet

Category : Polymer , Thermoplastic , Polycarbonate (PC)

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-ICD-1000-PC-Sheet.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------|
| Specific Gravity | 1.20 g/cc | 1.20 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-----------|---------------|-----------|
| Tensile Strength, Yield | 58.6 MPa | 8500 psi | ASTM D638 |
| Flexural Strength | 93.1 MPa | 13500 psi | ASTM D790 |
| Flexural Modulus | 2.34 GPa | 340 ksi | ASTM D790 |
| Izod Impact, Notched | 8.01 J/cm | 15.0 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 132 Å°C | 270 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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