EUROSTAT
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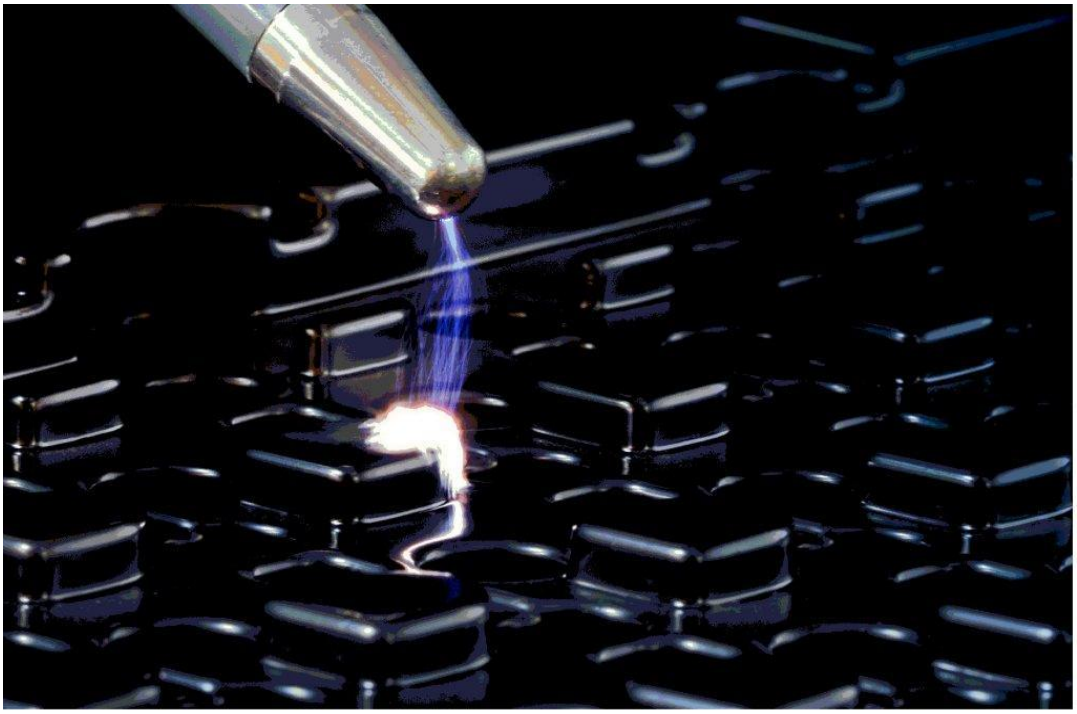
E-STAT®

25-401-xxxx

The Eurostat static dissipative PS



Two-Point resistance measurement was performed according to IEC 61340-5-3:2010.

The test objects were conditioned during more than 48h in 23°C (± 2°C) and 12% RH (± 3% RH). The measurements were performed in the same climate.

Static Decay Time was measured following IEC 61340-5-1 and -2-1
The result is Cavity to cavity/ Inside cavities/ Cavity to metal plate:

Dt < 1s

- No sloughing thanks to the absence of carbon powder
- Clean fillers No heavy metal contents (<100 ppm)

Product specifications

Material:	Dissipative PS
Colour:	Black with green strip (optional)
Dimensions:	See drawing
Thickness:	0.6 mm to 5 mm before thermoforming
Shelf life:	Permanent
Heavy metals:	<100 ppm RoHS compliant

Electrical Properties

	Test standard	Results
Surface resistance Rs	IEC 61340-5-1	Typical $5x10^{9} \leq Rs \leq 1x10^{10}$
Volume Resistance Rv	IEC 61340-5-1	Typical $10^{7} \leq Rv \leq 10^{10}$ Ω
Point to Point Resistance Rpp	IEC 61340-5-1	Typical $5x10^{9} \leq Rpp \leq 1x10^{10}$
Static Decay Time Dt	IEC 61340-5-1 IEC 61340-2-1	Typical < 1 sec

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Material properties

	Test Method	Unit	Values
Water absorption	ISO 62	%	< 0.1
Melt flow	ISO 1133	g/10min	4
Tensile strength at yield	ISO 527	MPa	24
Tensile strength at break	ISO 527	%	60
Tensile module	ISO 527	MPa	1850
Izod Impact strength • +23°C-3.2 mm thickness • +23°C-4 mm thickness • -30°C-4 mm thickness	 ISO180/4A ISO180/1A ISO180/1A	 J/m KJ/m2 KJ/m2	 125 10 6.5
Rockwell Hardness	ISO2039/2	/	L65
Vicat Point	/	/	99°C
Thermal expansion, linear	ASTDM D696	/°C	9.10-5
Shrinkage	/	%	0.4-0.7
Flammability	UL94	/	HB