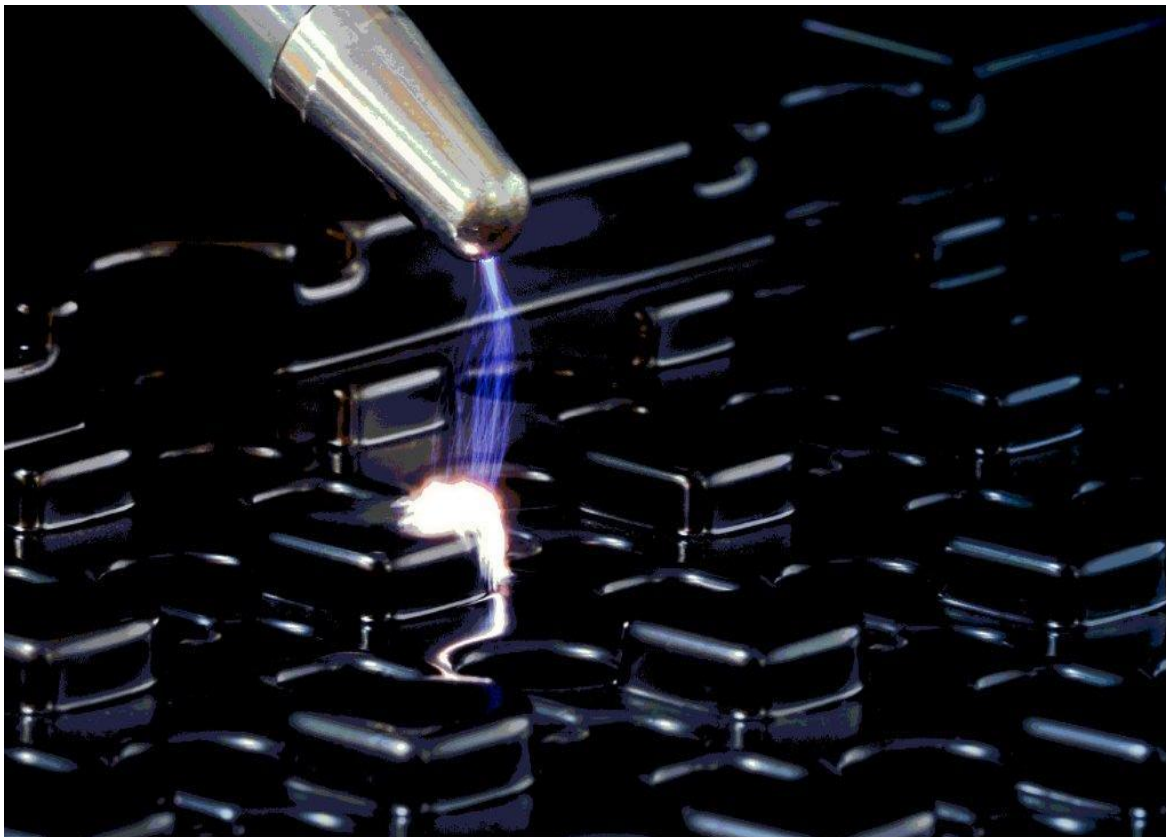


**ESTAT**

24-301-xxxx

*The Eurostat static dissipative PS*



- $10^5 \Omega/\text{Sq} < R_s < 10^{11} \Omega/\text{Sq}$
- $10^5 \Omega < R_t < 10^{11} \Omega$
- No sloughing thanks to the absence of carbon powder
- Clean fillers No heavy metal contents (<100 ppm)

## Technical data

### Product specifications

<b>Material:</b>	Dissipative PS
<b>Colour:</b>	Black with green strip (optional)
<b>Dimensions:</b>	See drawing
<b>Surface resistance:</b>	$10^5 < R_s < 10^{11} \Omega/\text{Sq}$
<b>Resistance to ground:</b>	$10^5 < R_t < 10^{11} \Omega$
<b>Thickness:</b>	0.6 mm to 5 mm before thermoforming
<b>Shelf life:</b>	Permanent
<b>Heavy metals:</b>	<100 ppm RoHS compliant

### Material properties

<b>Water absorption:</b>	<0.1% (ISO62)
<b>Melt flow:</b>	4g/10 min (ISO1133)
<b>Tensile strength at yield:</b>	24 MPa (ISO527)
<b>Tensile strength at break:</b>	60% (ISO527)
<b>Tensile module:</b>	1850 MPa (ISO527)
<b>Izod Impact strength:</b>	+23°C-3.2 mm thickness: 125 J/m (ISO180/4A) +23°C-4 mm thickness: 10KJ/m2 (ISO180/1A) -30°C-4 mm thickness: 6.5 kJ/m2 (ISO180/1A)
<b>Rockwell Hardness:</b>	L65 (ISO2039/2)
<b>Vicat Point:</b>	99°C
<b>Thermal expansion, linear:</b>	9.10-5/°C (ASTDM D696)
<b>Shrinkage:</b>	0.4-0.7%
<b>Flammability:</b>	HB (UL94)



**Material approved by SP Technical Research Institute of Sweden**



# APPROVAL

## FOR ESD PROTECTIVE PRODUCTS ACCORDING TO IEC 61340

### Validity of the approval

Until 2015-12-19.

### Holder of the approval

Magnab Eurostat AB, Nyköping, Sweden

### Category of product

Trays

### Products

Manufacturer/ supplier	Type designation	Description
Magnab Eurostat AB	24-217-xxxx	Black dissipative trays

The trays fulfilled requirements as electrostatic dissipative (D).

### Documentation for approval

Test report FX212047.

### Conditions for approval

General conditions, according to SP-Method 2472, for approval and registration of approved products with regard to ESD-protection qualities.

**SP Technical Research Institute of Sweden**  
**Electronics – Product Safety**

  
Anders Nilsson  
Technical Manager

  
Ingvar Karlson  
Technical Officer