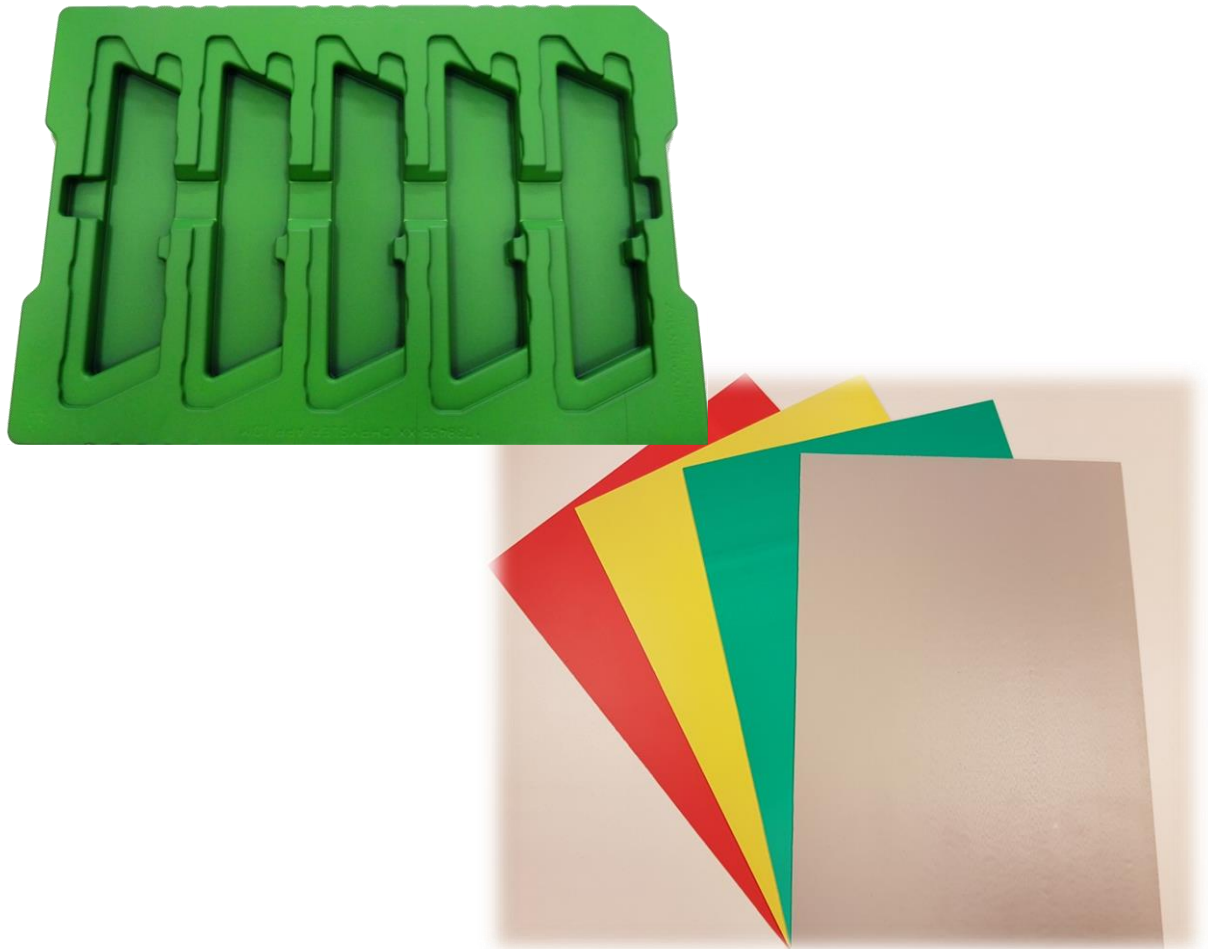


Color-STAT®

Thanks to new investments in compounding and extrusion technology, EUROSTAT is now able to provide our proprietary E-STAT® material in various colors, in standard or for specific demands.



The main characteristics remain identical to E-STAT®:

- Permanently static dissipative
- No sloughing thanks to the absence of carbon powder
- Clean fillers No heavy metal contents (<100 ppm)
- Inherently dissipative material
- Complies with standard IEC 61340-5-1:2010.

Product Specifications

Material:	Dissipative PS
Colors:	Grey, Green, Red, Yellow (other colors available on request)
Option:	Color stripe upon request
Dimensions:	See drawing
Thickness:	0.6 mm to 5 mm before thermoforming
Shelf life:	Permanent
Heavy metals:	<100 ppm RoHS compliant

Electrical Properties

The samples test was conditioned during more than 72h in 23°C (± 2°C) and 12% RH (± 3%). All measurements were performed in the same climate.

	Test standard	Requirements	Results
Surface resistance Rs	IEC 61340-5-1	$10^5 \leq R_s \leq 10^{11} \Omega$	$10^9 \leq R_s \leq 10^{11} \Omega$
Point to Point Resistance Rp	IEC 61340-2-3	$10^5 \leq R_p \leq 10^{11} \Omega$	$10^9 \leq R_p \leq 10^{11} \Omega$
Volume Resistance Rv	IEC 61340-2-3	$10^5 \leq R_v \leq 10^{11} \Omega$	$10^9 \leq R_v \leq 10^{11} \Omega$
Static Decay Time Dt	IEC 61340-5-1 IEC 61340-2-1	< 2 s	< 1 s

Additional measurements:

- Cavity to cavity: 3,5.10¹⁰ to 5,4.10¹⁰ Ω
- Inside cavities: 8,0.10⁹ to 4,8.10¹⁰ Ω
- Cavity to metal plate: 3,5.10⁹ to 8,5.10⁹ Ω



Material properties

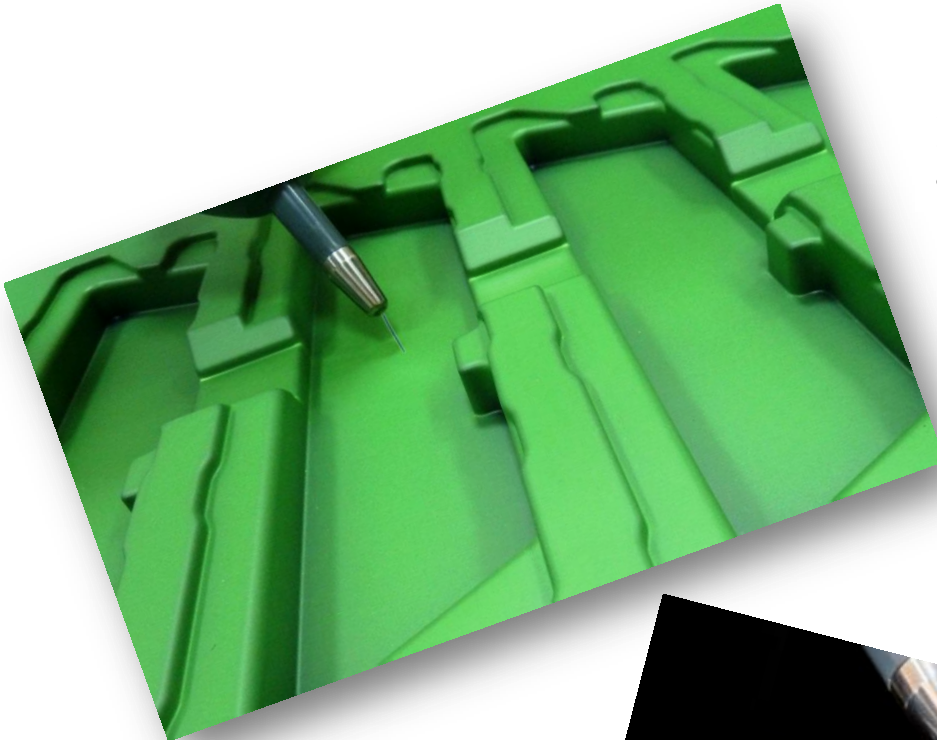
	Test standard	Unit	Values
Water absorption	ISO62	%	< 0.1
Melt flow	ISO1133	/	4g/10min
Tensile strength at yield	ISO527	MPa	24
Tensile strength at break	ISO527	%	60
Tensile module	ISO527	MPa	1850
Izod Impact strength			
+23°C-3.2 mm thickness	ISO180/4A	J/m	125
+23°C-4 mm thickness	ISO180/1A	KJ/m2	10
-30°C-4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

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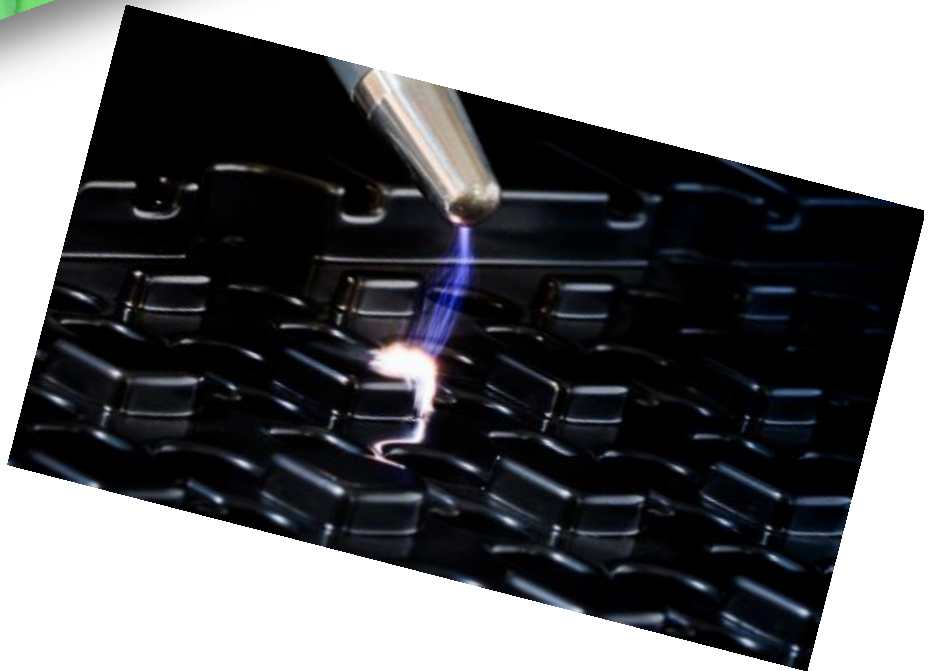
SOLUTION GLOBALE
DE PROTECTION AUX ESD

-EUROSTAT-
A MEMBER OF DOU YEE



*Discharge on Color-STAT®,
dissipative PS (barely visible and
audible)*

Discharge on conductive PS



For more information, watch the explanation on:

[Our Youtube Video](#)