

## **CONDUCTIVE PS**

**24-204-xxxx**



### **Product specifications**

Material:	conductive carbon-loaded PS
Colour:	black
Dimensions:	see drawing
Thickness:	from 0.6 mm to 6 mm before thermoforming
Shelf life:	permanent
Heavy metals:	< 100 ppm (RoHS compliant)

### **Electrical properties (raw material before forming)**

Surface resistance:	$< 10^4 \Omega$
Volume resistance:	$< 10^4 \Omega$
Decay time:	$< 0.2 \text{ sec}$

*Electrical properties are in compliance with the requirements of norms IEC 61340-5-1 and ANSI/ESD 20.20 (including IEC EN 61340-5-3:2010 and ANSI-ESD\_S541-2008).*

### **Material properties**

Maximum temperature of use:	60°C / after thermoforming
Tensile strength:	23 Mpa (ISO 527) / before thermoforming
Yield strength:	28 Mpa (ISO 527) / before thermoforming
Elongation at break:	20% (ISO 527) / before thermoforming
Elongation at yield:	8% (ISO 527) / before thermoforming