SUSTAnews

Plastics as protection against electrostatics

Sustarin® C AS semi-finished products available ex stock

Electrostatic charge is caused very often by friction and separation of two touching materials.

When electrostatic charges in industrial and producing areas are not discharged under control, substantial annoyance and economical damages can be the result:

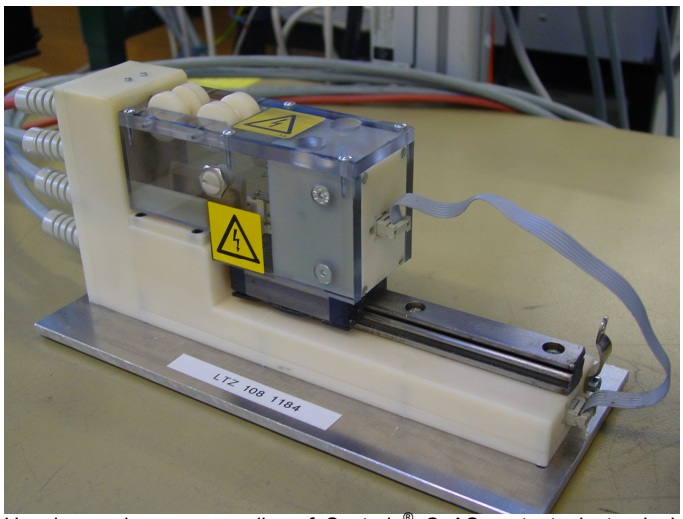
There is a great risk for electronic components, which may be damaged by low electrostatic potential, where human beings are not sensible for. Considerable scrap rates during production of microchips or breakdown during electronically controlled production processes are the consequence.

The application of protection systems against electrostatic ("ESD Protection") charge is indispensable.
The ideal properties of Sustarin® C AS are an excellent basis for this:

Properties	Advantages
Surface resistivity 10^{10} - 10^{12} Ω	Electrostatic charge is dissipated
Antistatic additive is migration free and self-conducting	Long lasting effect, independent from relative humidity
Antistatic additive is carbon free	No contamination through black abrasion
Good sliding behaviour	Low generation of charge through friction

These properties make Sustarin® C AS an ideal material for many applications where electrostatic charge is not wanted or even dangerous, for ex. in conveying industry or semiconductor technology.

Another application field of Sustarin® C AS is the use in clean rooms, because the unwanted dust attraction is prevented.



Housing and conveyor roller of Sustarin® C AS protect electronical components

Following dimensions are available ex stock:

Sheets, 3000 x 620mm
Thicknesses: 12, 15, 16, 20, 25, 30, 40, 50 mm

Rods, length 3000 mm
Diameters: 20, 25, 30, 40, 50, 60, 70, 80 mm

Other dimensions on request