flash

RÖCHLING

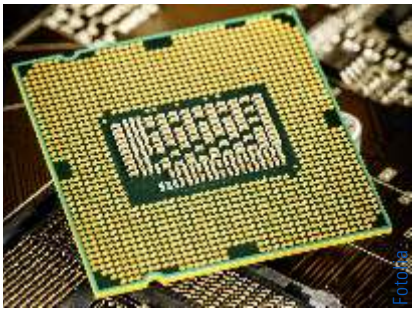
Plastics ensure safety

Röchling offers a wide range of ESD materials

Uncontrolled discharges can cause costly damages, particularly in microelectronics and potentially explosive atmospheres, which is why electrostatic discharges must be prevented. This requires the use of electrically conductive or **antistatic materials**. These materials **dissipate** electrostatic charges permanently **in a controlled way.**

Extensive product range

Röchling offers a large selection of plastics for applications that place high demands on electrical conductivity. They have defined electrical properties ranging from **antistatic** to **conductive.** They also stand out for their classic properties such as good chemical resistance, sliding properties and high thermal stability.



High demands on electrical conductivity: Our ESD plastics with their special properties are used, for example, in the electronics industry, in the offshore sector and in conveying systems.

Applications of use

- Semiconductors
- Conveyor technology
- Oil & gas
- Explosion protection
- Mining
- Electronics

Typical components

- Transport trays
- Inspection devices
- Pick and place tools
- Transport boxes
- Jigs & fixtures
- Rollers

Contact: Please do not hesitate to contact us if you would like detailed consultation regarding the properties and possible applications of our ESD materials. Simply write to us at: **flash@sustaplast.de**

ESD materials		Spec. surface resistance [Ω]	Maximum continuous operation temperature [°C]	Linear thermal expansion coefficient (10^{-6} K^{-1})
PA	SUSTA**MID 6G ESD 90**	10^6 - 10^9	110	70
	SUSTA**MID 6G ESD 60**	$<10^6$	110	70
POM C	SUSTA**RIN C ESD 60**	10^3 - 10^5	100	130
	SUSTA**RIN C ESD 90**	10^9 - 10^{11}	85	170
PEEK	SUSTA**PEEK MOD ESD 90**	10^6 - 10^9	250	30
	SUSTA**PEEK CF 30**	$< 10^4$	250	25
	SUSTA**PEEK CM CF 30**	$< 10^5$	250	25
PEI	SUSTA**PEI CM ESD 90**	10^6 - 10^{10}	170	40

ESD 60 = electrostatically conductive / ESD 90 = electrostatically dissipative / Further ESD materials on request

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