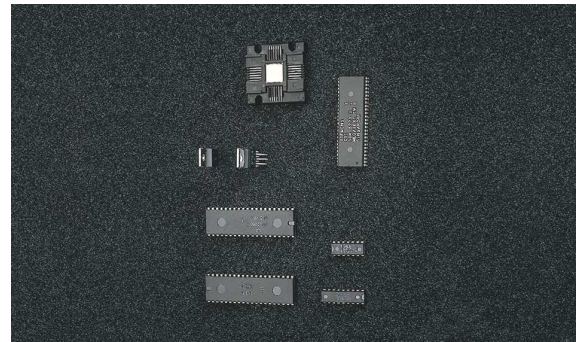


PE - Foam

(Part No.: 4550.x)

- Permanent, electrostatic dissipative carbon loaded
- Material classification according to IEC 61340-5-3:
 - Surface dissipative
 - Volume dissipative
- ESD classification symbol: 
- Cross linked, closed cell
- Abrasion-resistant, non-corrosive
- Hard version
- Colour: Black

**Physical properties:**

	Standard	Typical values
Density	DIN 53420	46 kg/m ³
Tensile strength	DIN 53571	0,38 N/mm ²
Elongation	DIN 53571	68 %
Compressive strength	DIN 53577	at 25% bending: 38 kPa
Temperature range	Internal test	up to + 90° C
Corrosion test	Internal test	no corrosion for gold, alu, IC pins
Thickness		3 mm - one side with or without skin
		6 mm - one side with skin
		10 mm - both sides with skin

Product qualification according to IEC 61340-5-3:

	Test method	Limits	Typical values
Surface resistance R_s (Skin side)	IEC 61340-2-3	$1 \times 10^4 \leq R_s < 1 \times 10^{11} \Omega$	$10^5 - 10^6 \Omega$
Surface resistance R_s (Non-skin side)	IEC 61340-2-3	$1 \times 10^4 \leq R_s < 1 \times 10^{11} \Omega$	$10^7 - 10^8 \Omega$
Volume resistance R_v	IEC 61340-2-3	$1 \times 10^4 \leq R_v < 1 \times 10^{11} \Omega$	$10^5 - 10^7 \Omega$

Environmental conditions: 12 ± 3 % RH and 23 ± 2 °C (conditioning > 48 hours)

Technical Information

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Part No.: 4550.x



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Properties	Advantage
Permanent electrical properties	- electrical properties independent of relative humidity - electrical properties not altered by ageing - electrical properties not altered by wet cleaning
Cross linked, closed cells	- very good mechanical properties - corrosion free - elastic, not brittle - low absorption of water
Good handling properties	- easy handling, cutting, punching etc. - can be vacuum formed and laminated