



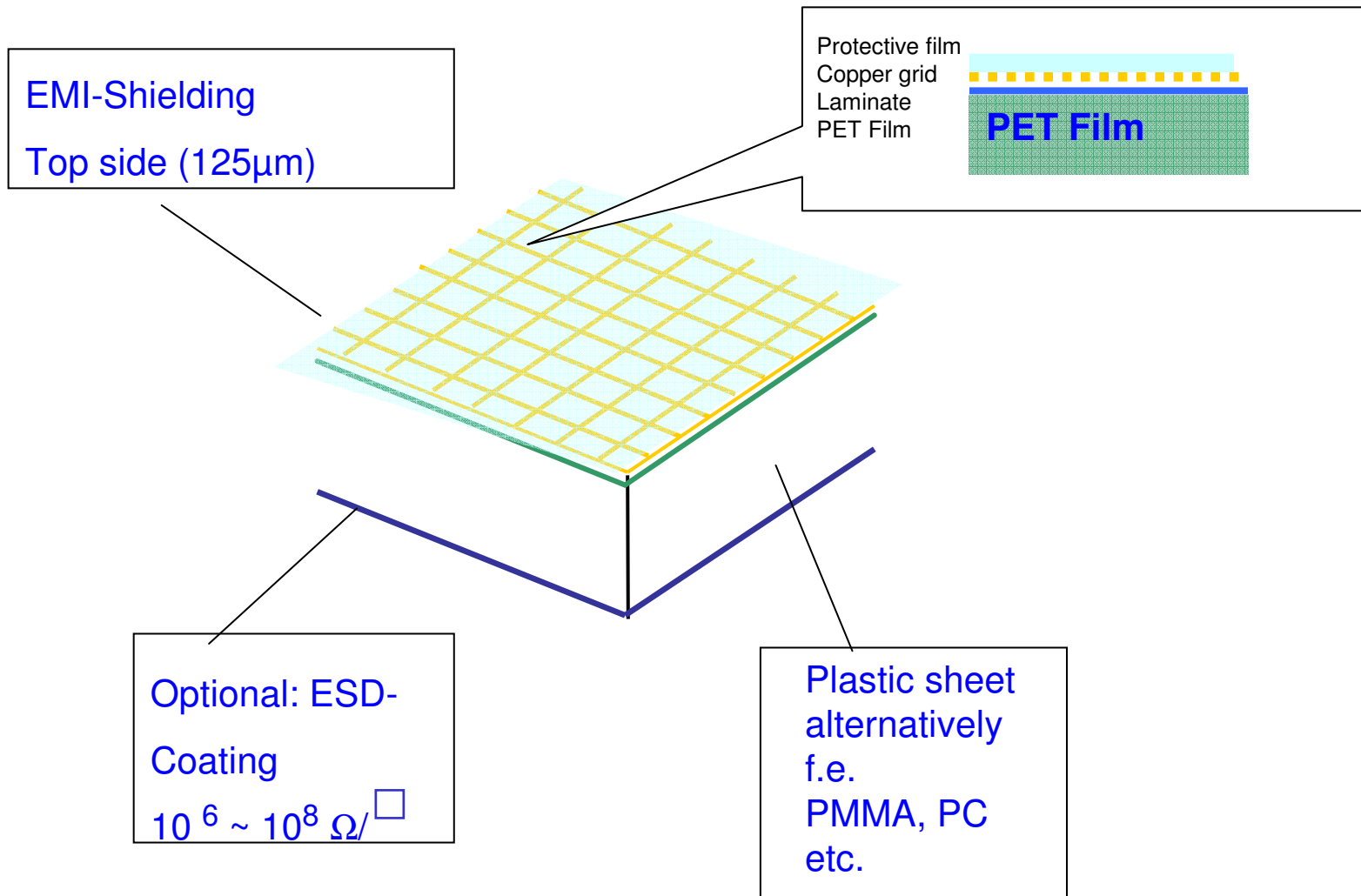
ESLON-MC Plastic Sheets EMI-Control

- ESLON-MC Plastic sheets are especially suited for the electromagnetic shielding of casings in the electronic industry. Sheets are also available with a static dissipative coating (ESD protection).
- ESLON-MC Plastic sheets provide excellent shielding in the frequency range between 100 MHz and 1GHz.
- ESLON-MC Plastic sheets are available in various kinds of plastic material and in several colours.
- ESLON-MC Plastic sheets can be ordered in different sizes according to customer specifications at a minimum order quantity.
- ESLON-MC Plastic sheets allow for the optimization of shielding for a wide variety of applications.

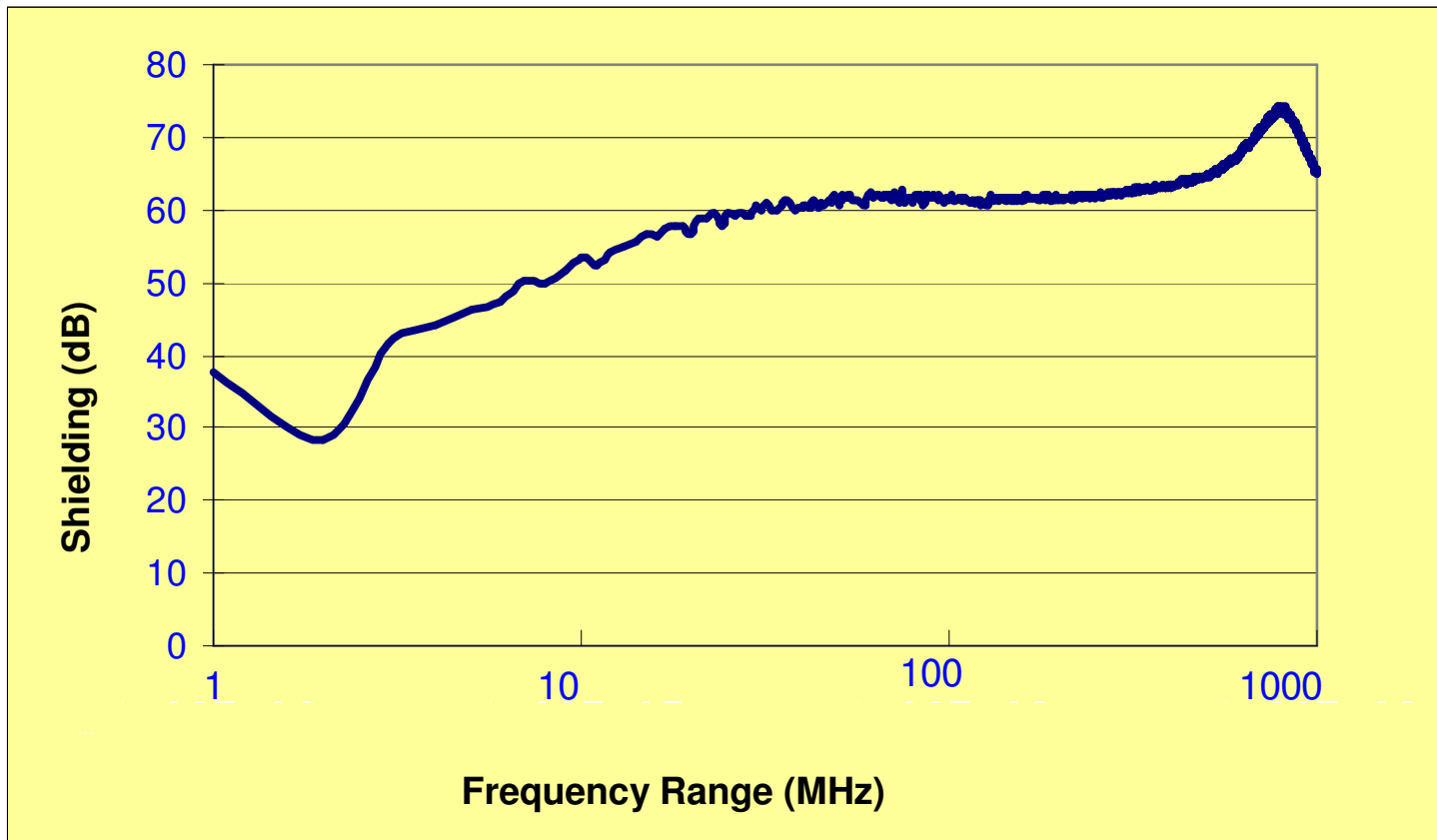
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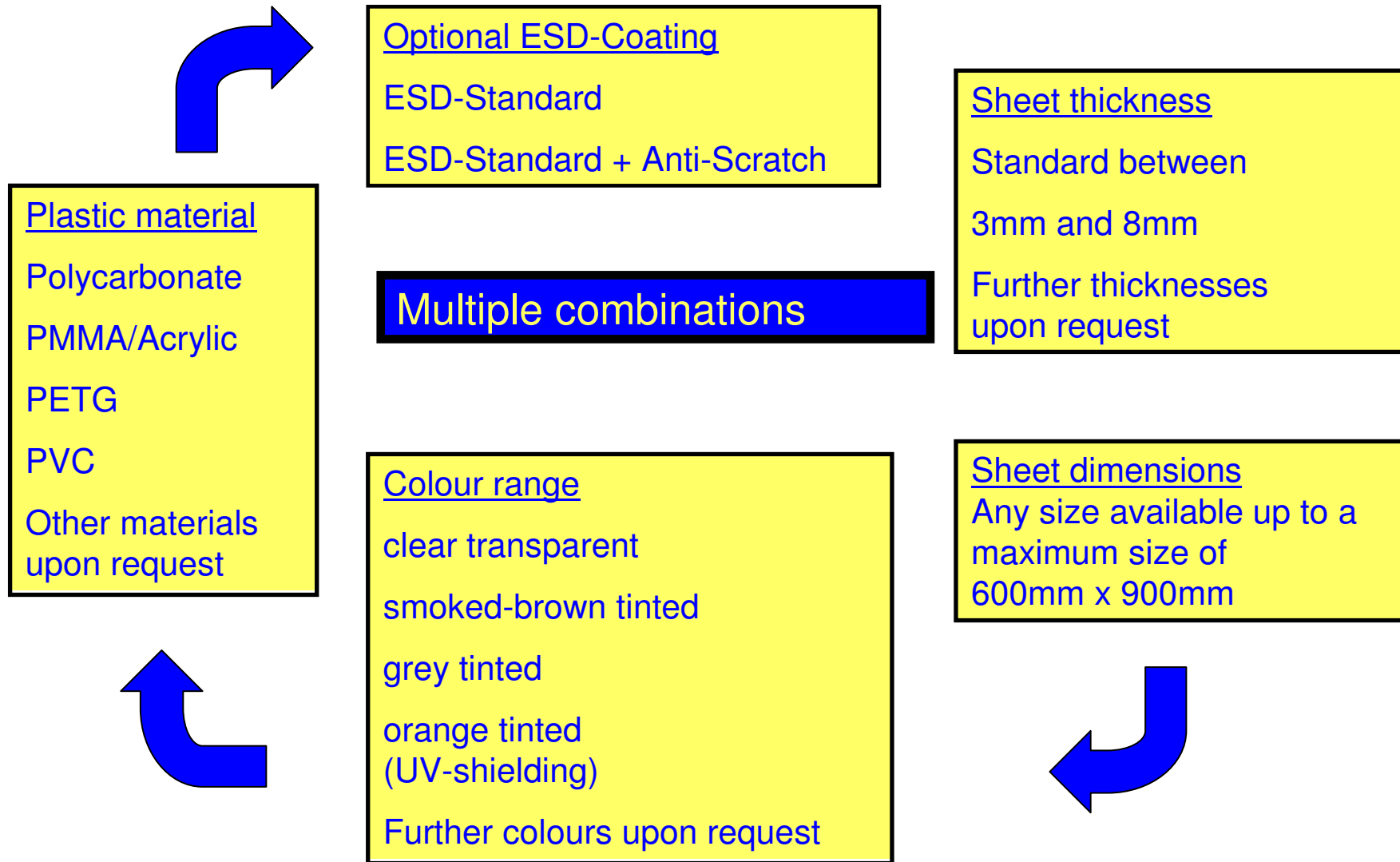
ESLON-MC Structure



ESLON-MC Plastic Sheets EMI-Control



ESLON-MC Plastic Sheets Product Range

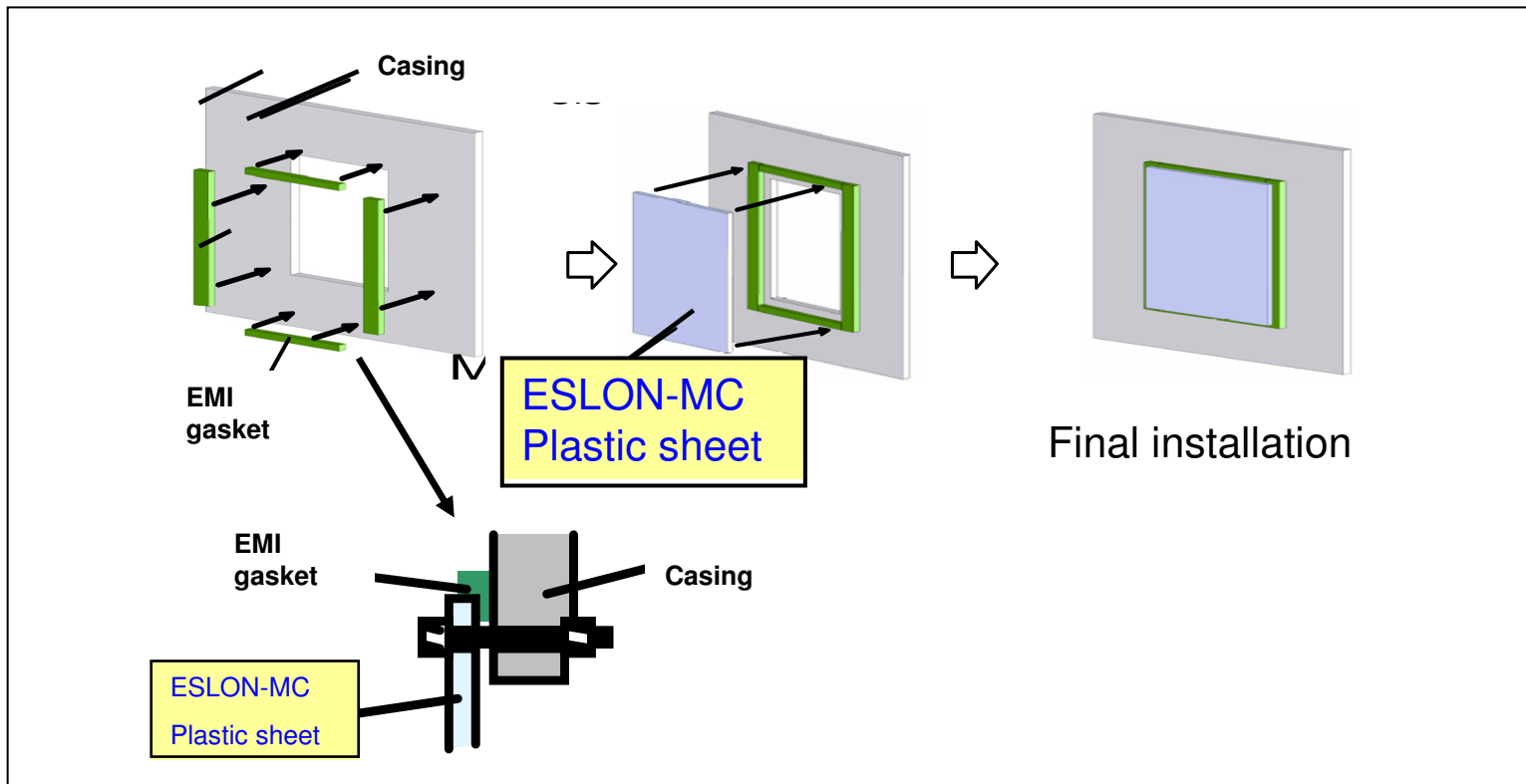


ESLON-MC Technical Characteristics

Technical Characteristics (typical values for 5mm)	Unit	Test method	Polycarbonate clear ESD-Standard + Anti-Scratch
Shielding	dB	KEC Methode 500 MHz	62
Transmittance	%	ASTM D-1003	53
Haze	%	ASTM D-1003	35
Surface resistivity (for option ESD)	$\Omega/$	DIN 53482	$10^6 \sim 10^8$
Pencil hardness (for option Anti-Scratch)	-	JIS K5400	H
Tensile strength	N/mm ²	DIN 53455	65
Tensile modulus	N/mm ²	DIN 53455	2300
Notched impact resistance	kJ/m ²	JIS K7111	10
Vicat softening temperature	°C	JIS K7206	65

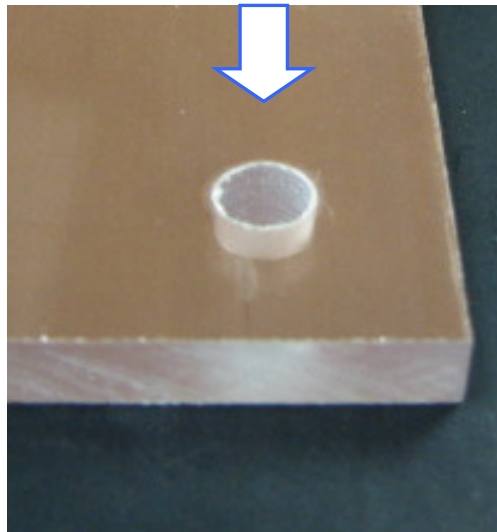
ESLON-MC Installation Instructions

Grounding: In order to achieve optimal protection from electromagnetic interferences, professional grounding of ESLON-MC is strongly recommended. After the removal the protective film, grounding can be carried out by using a shielding gasket (please see the illustration below).



ESLON-MC Installation Instructions

Processing: Holes must be drilled from the EMI-Control side (top side), in order to avoid damage to the EMI protection due to frayed edges on the drill hole.



Hole drilled starting from the EMI-Control side (top side)



Hole drilled wrongly by starting from bottom side through the EMI-Control side - result: frayed edges