

**ESLON®-DC ESD**
**C-PVC VHS401ASM**

Static dissipative (antistatic) plastic sheets

**VHS401ASM I**  clear

**ELECTRICAL**

	Method	Unit	ESD Hard Coat
Surface resistivity	ASTM D-257 DIN 53482	IEC 60093 $\Omega/\square$	$10^6 \sim 10^7$
Electrostatic discharge	MIL B-81705B	s	< 0.1
Dielectric constant	ASTM D-150 DIN 53483	IEC 60250	3

**PHYSICAL**

Density	ASTM D-792 DIN 53479	ISO 1183 g/cm <sup>3</sup>	1.47
Water absorption	ASTM D-270 DIN 53495	ISO 62A %	0.3
Pencil hardness	JIS K5400		2H
Grid adhesiveness	JIS D0202		100/100

**OPTICAL**

Light transmittance	ASTM D-1003	ISO 13468 %	66
Haze	ASTM D-1003	ISO 14782 %	5
Refractive index	ASTM D-542	ISO 489	
Distinctness of image (DOI)	JIS K7105	%	90

**MECHANICAL**

Tensile strength	ASTM D-638 DIN 53455	ISO 527 MPa	73
Tensile elongation at break	ASTM D-638 DIN 53455	ISO 527 %	33
Flexural strength	ASTM D-790 DIN 53452	ISO 178 MPa	105
Flexural modulus	ASTM D-790	ISO 178 MPa	3150
Compressive strength	ASTM D-695	ISO 604 MPa	
Charpy impact strength (23°C)		ISO 179-1 kJ/m <sup>2</sup>	2.1
Notched impact strength (23°C)	ASTM D-256	ISO 180 J/m	3

**THERMAL**

Heat deflection temperature	ASTM D-648 DIN 53461	ISO 75 °C	82
Coefficient of linear thermal expansion	ASTM D-696	ISO 11359 mm/mm°C	$7 \times 10^{-5}$
Thermal conductivity	ASTM C-177	W/mK	0.16
Specific heat	ASTM C-177	KJ/kgK	
Heat shrinkage	JIS K6745	%	-1.5
Flammability	UL 94		FM4910 / V-0

[www.eslon-dc.de](http://www.eslon-dc.de)
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