

ESLON-DC TECHNICAL CHARACTERISTICS



STATIC DISSIPATIVE (CONDUCTIVE) PLASTIC SHEETS

TYPE	PMMA
CODE	AC 405 AS
COLOUR	clear
VERSION	ESD-Standard

ELECTRICAL	METHOD	
Surface Resistivity	ASTM D-257	DIN 53482
Electrostatic Discharge	MIL B-81705B	
Dielectric Constant	ASTM D-150	DIN 53483
PHYSICAL		
Specific Gravity	ASTM D-792	DIN 53479
Water Absorption	ASTM D-570	DIN 53495
Pencil Hardness Surface	JIS K 5400	
Adhesion Strength Surface	JIS D 0202	
OPTICAL		
Transmittance (Clarity)	ASTM D-1003	
Refractive Index	ASTM D-1003	
Haze	ASTM D-542	
Distinctness of Image	JIS K 7105	
MECHANICAL		
Tensile Strength	ASTM D-638	DIN 53455
Tensile Elongation, Break	ASTM D-638	DIN 53455
Flexural Strength, Yield	ASTM D-790	DIN 53452
Flexural Modulus	ASTM D-790	
Compressive Strength	ASTM D-695	
Charpy Impact Strength (23°C)	JIS K 7110	
Notched IZOD Impact Strength	ASTM D-256	
THERMAL		
Deflection Temperature	ASTM D-648	
Linear Expansion Coefficient	ASTM D-696	
Heat Conductivity	ASTM C-177	
Specific Heat	ASTM C-177	
Heat Shrinkage	JIS K 6745	
Flammability	UL-94	

UNIT	
$\Omega / \square$	$10^6 \sim 10^7$
sec	< 0.1
-	3

g/cm ³	1.19
%	0.3
Skala	2 H
-	100/100

%	85
%	3
-	1.49
%	85

N/mm ²	74.5
%	5
N/mm ²	117.7
N/mm ²	2900
N/mm ²	-
kJ/m ²	2.0
J/m	20.3

°C	90
l/°C	7×10^{-5}
W/mK	0.21
kJ/kgK	1.47
%	
-	

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If not otherwise mentioned all data refer to a sheet thickness of 3mm.

All data show the typical values, no guaranteed values for specification purpose.

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