

## ESLON-DC TECHNICAL CHARACTERISTICS



### STATIC DISSIPATIVE (CONDUCTIVE) PLASTIC SHEETS

TYPE	Polycarbonate
CODE	PH 407 AS
COLOUR	clear
VERSION	ESD-Hard Coat

ELECTRICAL	METHOD	
Surface Resistivity	ASTM D-257	DIN 53482
Electrostatic Discharge	MIL B-81705B	
Dielectric Constant	ASTM D-150	DIN 53483

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

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	

g/cm <sup>3</sup>	1.20
%	0.3
Skala	H
-	100/100

OPTICAL		
Transmittance (Clarity)	ASTM D-1003	
Refractive Index	ASTM D-1003	
Haze	ASTM D-542	
Distinctness of Image	JIS K 7105	

%	78
%	2 - 4
-	1.58
%	87

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	

N/mm <sup>2</sup>	64.7
%	100
N/mm <sup>2</sup>	93.2
N/mm <sup>2</sup>	2600
N/mm <sup>2</sup>	85.3
kJ/m <sup>2</sup>	83.4
J/m	847

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	

°C	135
l/°C	$7 \times 10^{-5}$
W/mK	0.20
kJ/kgK	1.26
%	
-	V-0 > 6mm

Advanced Plastics GmbH & Co. KG  
 Poststrasse 21  
 D- 33181 Fürstenberg  
 Tel. ( + 49 ) 29 53 - 96 66 21 Fax. ( + 49 ) 29 53 - 96 66 22  
 e-mail : [info@advancedplastics.de](mailto:info@advancedplastics.de) Web.: [www.advancedplastics.de](http://www.advancedplastics.de)

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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