



463-PC-407-ESd TECHNICAL CHARACTERISTICS



STATIC DISSIPATIVE (CONDUCTIVE) PLASTIC SHEETS

TYPE	Polycarbonate
CODE	463-PC-407-ESd
COLOUR	clear
VERSION	ESD-Standard

ELECTRICAL	METHOD		UNIT	
Surface Resistivity	ASTM D-257	DIN IEC 60093	Ω / \square	$10^6 - 10^8$
Electrostatic Discharge	MIL B-81705B		sec	< 0.1
Dielectric Constant	ASTM D-150	DIN 53483	-	3
PHYSICAL				
Specific Gravity	ASTM D-792	DIN 53479	g/cm ³	1.20
Water Absorption	ASTM D-570	DIN 53495	%	0.3
Pencil Hardness	JIS K 5400	ISO 15184	Skala	HB
Adhesion Strength Surface	JIS D 0202		-	100/100
OPTICAL				
Transmittance (Clarity)	ASTM D-1003		%	80
Refractive Index	ASTM D-542	ISO 489	-	1.58
Haze	ASTM D-1003	EN 2155-9	%	2
Distinctness of Image (DOI)	JIS K 7105		%	95
MECHANICAL				
Tensile Strength	ASTM D-638	DIN 53455	N/mm ²	64.7
Tensile Elongation, Break	ASTM D-638	DIN 53455	%	100
Flexural Strength, Yield	ASTM D-790	DIN 53452	N/mm ²	93.2
Flexural Modulus	ASTM D-790		N/mm ²	2600
Compressive Strength	ASTM D-695		N/mm ²	85.3
Charpy Impact Strength (23°C)	JIS K 7110		kJ/m ²	83.4
Notched IZOD Impact Strength	ASTM D-256		J/m	847
THERMAL				
Deflection Temperature	ASTM D-648		°C	135
Linear Expansion Coefficient	ASTM D-696		l/°C	7×10^{-5}
Heat Conductivity	ASTM C-177		W/mK	0.20
Specific Heat	ASTM C-177		kJ/kgK	1.26
Heat Shrinkage	JIS K 6745		%	
Flammability	UL-94		-	

