

Technical Data Sheet

EUROPLEX® SDX

Status: April 2010

The static dissipative polycarbonate sheet provides a permanent protection against electrostatic discharge events (ESD).

EUROPLEX® SDX Glazings dissipate electric charges in a controlled way against earth. EUROPLEX® SDX for planar installations.

<i>Product properties*</i>		<i>Value</i>	<i>Unit</i>	<i>Test method</i>
Electrical	Surface resistivity	10 ⁵⁻⁷	Ohm/sq	DIN IEC 60093
Physical	Density	1.20	g/cm ³	ISO 1183-1
Optical	Light transmission factor	82	%	DIN 5033, DIN 5036
	Light reflection factor	5	%	DIN 5033, DIN 5036
	Haze	1,2	%	ASTM D 1003
Mechanical	Tensile strength	60	MPa	ISO 527
	Modulus of elasticity	2400	MPa	ISO 527
	Yield stress	60	MPa	ISO 527
	Extensibility	6	%	ISO 527
	Nominal elongation	70	%	ISO 527
	Bending modulus	2100	MPa	ISO 178
	Bending strenght	100	MPa	ISO 178
	Bending stress at rupture	no rupture		ISO 178
	Bending stress at 3.5 %	80	MPa	ISO 178
	Edge fibre elongation at rupture	no rupture		ISO 178
	Edge fibre elongation at bending strenght	6	%	ISO 178
	Compression modulus of elasticity	2400	MPa	ISO 604
	Compression strength	70	MPa	ISO 604
	Nominal compression at compression strength	8	%	ISO 604
	Compression yield stress	70	MPa	ISO 604
Charpy impact strength	no rupture		ISO 179	
Charpy notched bar impact strength	11	kJ/m ²	ISO 179	
Abrasion resistance (Taber Abraser)	2,5	%	ASTM D 1044	
Thermal	Vicat softening point	145	°C	ISO 306
	Thermal expansion coefficient	7 x 10 ⁻⁵	1/K	ASTM D 696

* All data are related to sheets with 3 mm thickness.

Legal advice

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