



**Product**

The electrostatic 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-F is suitable for heat-bending.

Product properties*	Value	Unit	Test method
<b>Electrical</b>			
Surface resistivity	10 <sup>5-7</sup>	Ohm/sq	DIN IEC 60093
<b>Physical</b>			
Density	1,20	g/cm <sup>3</sup>	ISO 1183-1
<b>Optical</b>			
Light transmission factor	85	%	DIN 5033, DIN 5036
Light reflection factor	7	%	DIN 5033, DIN 5036
Haze	3,5	%	ASTM D 1003
<b>Mechanical</b>			
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 strength	6	%	ISO 178
Compression modulus of elasticity	2400	MPa	ISO 604
Compression strength	70	MPa	ISO 604

Product properties*	Value	Unit	Test method
<b>Mechanical</b>			
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 <sup>2</sup>	ISO 179
<b>Thermal</b>			
Vicat softening point	145	°C	ISO 306
Thermal expansion coefficient	7 x 10 <sup>-5</sup>	1/K	ASTM D 696

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

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® = registered trademark

EUROPLEX is a registered trademark in EU and a filed trademark in US of Röhm GmbH, Darmstadt, Germany.  
Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

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