



GREEN LINE SOLID PC (POLYCARBONATE) SHEET

TECHNICAL SPESIFICATIONS

Specifications	Value	Test Method
Density (g/cm ³)	1,2	ISO 1183
Water Absorption at 23 °C (%)	0,3	ISO 62
Tensile Modulus (Mpa)	2350	ISO 527
Tensile Strenght (Mpa)	≥ 55	ISO 527
Elongation at break (%)	110	ISO 527
Refractive Index	1.58	ISO 489
Max. Service Temperatures °C	130	-
Charpy Impact Resistance unnotched (kJ/m ²)	No break	ISO 179
Vicat Softening Temperature °C	≥ 140	ISO 306
Recycle Material Usage	> 60	%

PRODUCT FEATURES

Specifications	Value	Test Method
Thermal Conductivity (W/mK)	0,2	ASTM C177
Coefficient of Linear Thermal Expansion (mm/m °C)	0,07	DIN 53483
Sound Reduction (12mm) (dB)	31	EN 14388
Light Transmission % (2mm Clear)	≥ 88	ASTM D 1003*
Haze % (Clear)	< 2	ASTM D 1003*

*These values are mesured with BYK Gardner Haze-Gard Meter by ISIK Quality Laboratory.

DIMENSIONS

Thickness	1-15 mm
Width**	1220 and 2050 mm
Length**	2440 and 3050 mm

** Depends on customer request

OPTICAL QUALITY

Due to high amount of reycleed materials, **GREEN LINE SOLID POLYCARBONATE SHEET** does not match Policam PC SOLID BLACK SPECS standart regarding to surface quality. Please ask Işık Plastik for detailed information and classifications.

FIRE PERFORMANCE

- Class E according to EN ISO 13501 ($6 < t \leq 15\text{mm}$)
- Class B-s1, d0 according to EN ISO 13501 ($1,4 \leq t \leq 6\text{mm}$)

RECYCLABLE PACKAGING

- **GREEN LINE SOLID POLYCARBONATE SHEET** is packed with recyclable packaging materials.
- Both surfaces of **GREEN LINE SOLID POLYCARBONATE SHEET** is masked with 100% recyclable PE protection film.

SUSTAINABILITY

- **GREEN LINE SOLID POLYCARBONATE SHEET** is environmental friendly.
- **GREEN LINE SOLID POLYCARBONATE SHEET** is a thermoplastic material. Thermoplastic materials can be regrind, recyled and reused. In this sense, thermoplastic polymers are key materials for sustainability.
- The outstanding chemical stability and long-term resistance to aging and weathering of **GREEN LINE SOLID POLYCARBONATE SHEET** often ensures a long service time.