

POLYGAL[®]

BRINGS NATURE IN

Sungal





Sungal™

Meet the newest member in Polygal's Polycarbonate sheets.

Rigid yet lightweight, **Sungal™** corrugated polycarbonate sheets provide superior strength, light transmission, flexibility and weather resistance characteristics. **Sungal™** is the panel of choice for greenhouse constructions, due to its light transmission, profile structure, ability to withstand extreme temperatures without degradation and long service expectancy. **Sungal's** special properties make it useful in continuous lighting surfaces, partition walls and public shelters. In fact, **Sungal™** can be used anywhere where external light is used for internal lighting purposes.

D.I.Y.ers have come to appreciate **Sungal's** wide-ranging uses in various home projects.

Sungal™ sheet advantages:

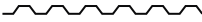
- High Impact Resistance - virtually unbreakable.
- Lightweight - less than half the weight of glass.
- Highly Transparent - provides 90% light transmission.
- Weather Resistance - sheets retain their properties for years, under severe weather conditions.
- Easily Installed - **Sungal™** sheets are easy to work with; no special tools required.
- Easily Cleaned
- Flammability - Low flammability, and no toxic gas emissions during burning.
- Warranty - **Sungal™** sheets are guaranteed against yellowing and light transmission loss for 10 years.

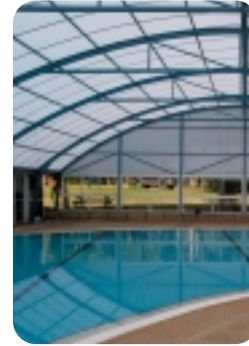
Sungal™ sheets are available in these formats:

Sungal™ - Corrugated polycarbonate sheet with UV protective layer on one side.

Sungal Anti-fog - Corrugated polycarbonate sheet with UV protective layer on one side and condensation drainage treatment applied to the interior side. Available in clear or Embossed.

Specifications:

Product Name	Sungal Greca 76
Profile	
Standard Length	1.5 - 11.6 (m)/5'-38'
Standard Width	1260 (mm)/49.6"
Thickness	0.8mm
Standard Colors	Transparent: Clear, Opal: White, Diffuser



Sungal™ Applications:

- **Agricultural applications include:** Commercial greenhouses and other structures which depend on the material's special light transmission and other properties.
- **Construction and Industrial applications:** Architectural structures, industrial plants, public buildings, skylights, canopies (swimming pools, car parks, etc.), partition walls, walkways and other applications.
- **Do-It-Yourself (D.I.Y.) applications:** Skylights, canopies, awnings (porches, verandas, parking shelters, etc.), partitions and other applications.

Typical Properties:

H.D.T. (18.2 MPa)	135 C
Coefficient of Linear Thermal Expansion	6.8x10 ⁻⁵ /°C
Thermal Conductivity	0.21 W / m K
Specific Heat Capacity	1.3kJ/kg K
K Value	5.80 W/m ² K
Specific Gravity	1.2 g/cm ³
Tensile Strength	62 MPa
Tensile Modulus	2,300 MPa
Elongation at Break	>100%
Flexural Strength at Yield	93 MPa
Flexural Modulus	1,890 MPa
Impact Resistance - Falling Weight ISO 6603/1	50 J

The data in this advertisement are provided in good faith and constitute general information without commitment, and no warranty is given or implied. Polycarbonate is a combustible thermoplastic that complies with various international standards, as customary in each country. Avoid exposure to excessive heat or aromatic cleaning solvents. Normal fire precautions should be taken to protect against combustion.

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