

## PC Lite Polycarbonate Compact Sheet Type: Compact 10mm

### Overview

PC Lite Polycarbonate Sheets as well as Polycarbonate Rolls have high impact strength and are also high temperature resistant. Both have special co-extruded ultra violet (UV) protection. Virtually unbreakable, and yet as transparent as glass with less than half its weight, Compact Sheets are easy to fabricate as well as to install. Known for their excellent insulation properties, these sheets are suitable for cutting, drilling, bending and thermoforming as well.

### Typical Physical Properties

| Property                                |            | Units   | Value      |
|---|------------|---------|------------|
| Overall thickness                       |            | mm      | 10         |
| Area weight                             |            | kg/ SQM | 12.0       |
| Standard widths*                        |            | mm      | 1220       |
| Standard lengths*                       |            | mm      | 2440       |
| Light transmission                      | Clear      | %       | 75-78      |
|   |            |         |            |
| Min. cold bending radius                |            | m       | 4          |
| Service Temperature                     | Short term | °C      | -40 to 120 |
|   | Long term  | °C      | -40 to 100 |
| Practical thermal expansion/contraction | range      | mm/m    | 3          |
| Coefficient of linear thermal expansion |            | mm/m °C | 0.065      |
| of linear thermal expansion             |            | mm/m °C | 0.065      |

### IMPACT STRENGTHS

| Property                     | Units | Value |
|------------------------------|-------|-------|
| Low frequencies pre-dominant |       | 21 db |
| High frequencies predominant |       | 29 db |

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