

# Excellent energy & light efficiency for your greenhouse!

Lexan\* Thermoclear\* Sheet in 16mm is the new material for greenhouse sidewalls to offer high thermal insulation, leading to low energy consumption.

New Lexan Thermoclear 16/6RS sheet glazing products significantly improve thermal insulation while simultaneously offering high levels of light transmission, helping save energy costs for heating and lighting buildings. UV-protected on both sides; this new product offers a unique 16mm 6 walls internal configuration that provides excellent stiffness, improved load resistance, high impact strength and good thermal insulation.

## Lexan Thermoclear 16/6RS sheet offers

- High light transmission
- Unique UV protection on both sides
- Energy savings up to 66% versus single glass
- Available in Solar Control, Easy Clean and SunXP types
- High stiffness through multi rib structure
- Available with anti-condensation coating
- Excellent hail resistance
- Wide range of colors and effects: clear, opal white, metallic, opaque white, and hammered glass look
- Available in 4 standard widths: 980/1250/1600/2100 mm
- Excellent fire resistance

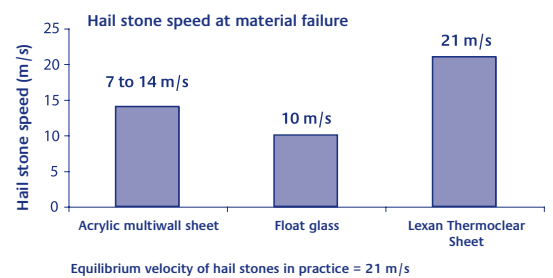
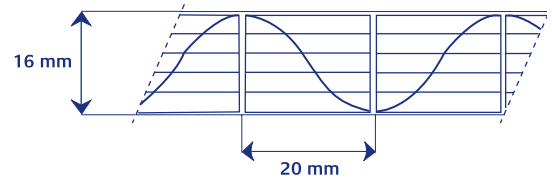
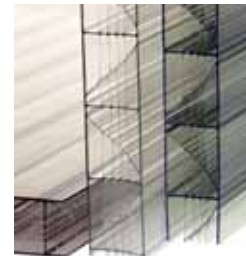


Figure 1: Impact resistance



# Lexan\* Thermoclear\* 16/6RS sheet

Property	Test method	Unit	Value
Gauge		mm	16
Weight		kg/m <sup>2</sup>	2.9 for LT2UV166RS29 [curved applications] 2.7 for LT2UV166RS27 [flat applications]
Sheet width		mm	980, 1250, 1600, 2100
Minimum permissible cold-bending radius (1)		mm	3500 for LT2UV166RS29 4500 for LT2UV166RS27
Light transmission	EN 410	%	Clear (112) 61 White (WH7A092X) 52 Bronze (515055) 29 Metallic (GY6A744M) 20
Total solar transmission	EN 410	%	Clear (112) 64 White (WH7A092X) 60 Bronze (515055) 53 Metallic (GY6A744M) 32
Thermal insulation	CSTB Regle Th-U	W/m <sup>2</sup> .K	1,9
Hail impact	TNO test		diam. 20mm v=>21m/sec



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