

## PMMA - OPTIX XT (80°C) (food certification) PMMA - LEXAN MARGARD (125°C)

In the food industry, the durability of materials is of paramount importance.

In this context, the polycarbonate sheet distinguishes itself by providing unparalleled resistance (250X Superior) that significantly surpasses other options, including conventional glass.

Features: Its adaptability to extreme conditions, exceptional clarity, and scratch resistance render it the optimal choice for environments where food safety and durability are paramount.



### Mechanical Properties:

properties	method	units	optix xt (R7000)
Tensile strength	ISO 5274-2	MPa	72
elongation at break	ISO 5274-2	%	4
tensile modulus of elasticity	ISO 5274-2	MPa	3300
bending strength	ISO 178	MPa	106

### Thermal Characteristics:

properties	method	units	optix xt (R7000)
Vicat softening temperature	-	°C	70
Maximum short-term operating temperature	-	°C	90
minimum temperature	-	°C	3300

### In conclusion:

Please be advised that these glasses can be manufactured in both round and oblong configurations.

Additionally, they are offered in a range of thicknesses. For further information, please feel free to contact us.

For applications at elevated temperatures (up to 125°C), this is achievable with non-FDA compliant Lexan MARGARD sheets.

<https://www.gallet-fr.com>