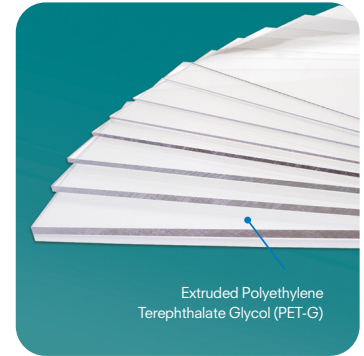# LUMEX® G

For high quality thermoforming results, the choice is clear



## YOUR SOLUTION FOR TRANSPARENT APPLICATIONS

LUMEX® G sheets are an ideal choice for vacuum and thermoforming applications, featuring enhanced properties that prevent "stress-cracking" during the thermoforming process.

### LUMEX® G | *The Choice Is Clear*

- Biggest advantage: NO PRE-DRY required before thermoforming
- Good optical properties & brilliant surface
- No stress-cracking or whitening when formed
- Very good chemical resistance
- Excellent low temperature performance
- High impact properties allow for a thinner gauge
- Low water absorption
- Easy to recycle
- FDA Regulation 21 CFR 177.1315



Extruded Polyethylene
Terephthalate Glycol (PET-G)

## APPLICATIONS

- Refrigerators & Coldroom Equipment
- Vacuum & Thermoforming
- Food Containers
- Medical Appliance Packaging
- Poster Glazing
- Machine Guards



Poster Glazing



Machine Guards

## PRODUCT AVAILABILITY

| | Gauges | Color | Sizes | Packing |
|---|---|---|---|---|
| **LUMEX G** | .030" | Clear | 48" x 96" | 175 sheets/skid |
| | .040" | Clear | 48" x 96" | 150 sheets/skid |
| | .060" | Clear | 48" x 96" | 100 sheets/skid |
| | .080" | Clear | 48" x 96" | 75 sheets/skid |
| | .118" | Clear | 48" x 96" | 50 sheets/skid |
| | .177" | Clear | 48" x 96" | 40 sheets/skid |
| | .236" | Clear | 48" x 96" | 30 sheets/skid |

*UV Grade available on special request

# LUMEX® G

## For high quality thermoforming results, the choice is clear.

### PROCESSING AND FINISHING

Techniques used for fabrication of LUMEX G include hot line bending, elaborate vacuum forming, sawing, drilling, punching, shearing, milling and die-cutting. Forming temperature range is 248 °F - 320 °F. LUMEX G sheets can be used in contact with food.

Vacuum & Thermoforming

### TECHNICAL DATA

| | | | |
|---|---|---|---|
| **Density** | ASTM D1505 | 1.27 | g/cm³ |
| **Tensile Strength** | DIN EN ISO 527 | > 6,526 | psi |
| **Flexural Modulus** | DIN EN ISO 178 | 290,075 | psi |
| **Izod Impact Strength - Unnotched** | ISO 179 | No Break | kJ/m² |
| **Surface Hardness** | ISO 868 | 40 | Shore D |
| **Maximum Service Temperature** | -- | 149 | F |
| **Coefficient of Linear Thermal Expanion** | DIN EN ISO 75-2 | 0.05 | mm/(m*K) |
| **Light Transmission** | DIN 5036 | > 84 | % |
| **Fire Classification** | EN 13501-1<br>UL - 94 | B - s1, d0<br>HB | -- |