

LEXAN™ LT30XX SHEET

PRODUCT DATASHEET

DESCRIPTION

LEXAN LT30XX sheet is an industrial grade sheet material extruded from SABIC Innovative Plastics internally recycled polycarbonate resins. LEXAN LT30XX sheet material is an excellent candidate for a wide range of flat or vacuum formed applications. LEXAN LT30XX sheet is an excellent candidate for non-aesthetic applications requiring impact resistance, good heat resistance, and formability.

TYPICAL PROPERTY VALUES ◆

| PROPERTY | TEST METHOD | UNITS | VALUE |
|--|----------------------|-----------|-------------------------|
| Physical | | | |
| Specific Gravity, color dependent | ASTM D792 | - | 1.20 |
| Mechanical | | | |
| Tensile Strength, Yield | ASTM D638 | psi | 8,000 |
| Tensile Modulus | ASTM D638 | psi | 310,000 |
| Flexural Strength, Yield | ASTM D790 | psi | 12,500 |
| Flexural Modulus | ASTM D790 | psi | 310,000 |
| Elongation , Break | ASTM D638 | % | 70 |
| Impact Strength | Dynatup | ft-lbs | |
| 75°F | (1/2" diameter dart) | | 75 |
| -20°F | | | 50 |
| Izod Impact Strength | ASTM D256A | ft-lbs/in | |
| Unnotched @ 75°F | | | No break |
| Unnotched @ -20°F | | | No break |
| Water Absorption @ 24 hr immersion equilibrium | ASTM D570 | % | .35 |
| Thermal | | | |
| Coefficient of Thermal Expansion | ASTM D696 | in/in/°F | 3.75 x 10 ⁻⁵ |
| Heat Deflection Temperature | ASTM D648 | °F | |
| @ 264 psi | | | 270 |
| @ 66 psi | | | 280 |
| Mold Shrinkage | | in/in | .007-.009 |

◆ These typical values are not intended for specification purposes. If minimum certifiable properties are required please contact your local SABIC, Specialty Film & Sheet representative

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