

LEXAN™ SGC504 / SGC504SW

PRODUCT DATASHEET

DESCRIPTION

LEXAN™ SGC504 / SGC504SW sheet is a UV-resistant sign grade sheet that is available in white color. LEXAN SGC504 / SGC504SW sheet is ideal for decorated outdoor signs, including pole signs and channel letters. LEXAN SGC504 / SGC504SW sheet can be thermoformed with crisp detail, offers excellent aesthetics, withstands high impact and abuse, and carries a limited 10 year written warranty against breakage.

TYPICAL PROPERTY VALUES ◆

| PROPERTY | TEST METHOD | UNITS | VALUE |
|--|---------------|-----------|-----------------------|
| Physical | | | |
| Specific gravity | ASTM D792 | - | 1.20 |
| Rockwell Hardness | ASTM D785 | - | M70,R118 |
| Mechanical | | | |
| Tensile Strength | ASTM D638 | psi | |
| Ultimate | | | 9,500 |
| Flexural Strength | ASTM D790 | psi | 10,500 |
| Flexural Endurance | ASTM D671 | psi | |
| @ 1,800 cycles/Min., 73°F, 50% RH | | | 1,000 |
| Elongation | ASTM D638 | % | 110 |
| Modulus of Elasticity | ASTM D638 | Psi | 340,000 |
| Izod Impact Strength, up to 125 mils | ASTM D256A | ft-lbs/in | |
| Notched | | | 12-16 |
| Drop Ball Impact Strength, 1" dia. dart @ .236 thickness | SABIC Test ## | ft-lbs | |
| @ 73°F | | | >200 |
| @ 32°F | | | >200 |
| @ 0°F | | | >200 |
| Thermal | | | |
| Coefficient of Thermal Expansion | ASTM D696 | in/in/°F | 3.75×10^{-5} |
| Heat Deflection Temperature | ASTM D648 | °F | |
| @ 264 psi | | | 260 |
| @ 66 psi | | | 280 |

- ◆ These typical values are not intended for specification purposes. If minimum certifiable properties are required please contact your local SABIC Innovative Plastics, Specialty Film & Sheet representative.
- # See actual Product Warranty for conditions that may apply.
- ## Measured by dropping a 25-pound dart (1" dia. tip) from a height of 8 feet.
- ™ LEXAN is a trademark of SABIC.

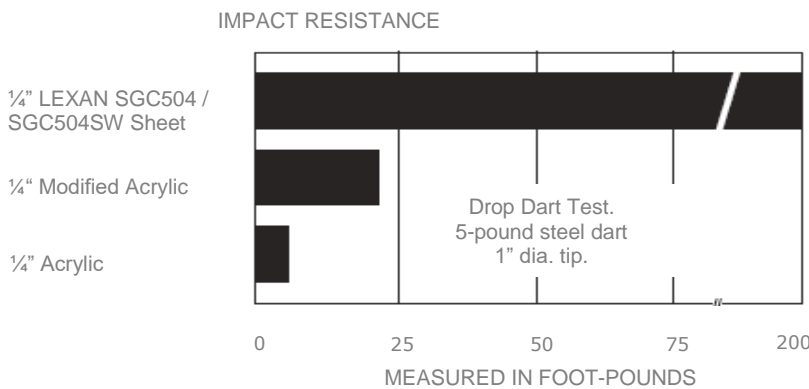
LIGHT TRANSMISSION

| GAUGE (MM) | TEST METHOD | LT (%) | DEVIATION |
|------------|-------------|--------|-----------|
| 2.4 | ASTM D1003 | 34 | ± 3 |
| 3.0 | ASTM D1003 | 30 | ± 3 |
| 3.8 | ASTM D1003 | 25 | ± 3 |
| 4.5 | ASTM D1003 | 22 | ± 3 |
| 6.0 | ASTM D1003 | 15 | ± 3 |

UL FILE NUMBER: E121562

IMPACT RESISTANCE

LEXAN™ SGC504 / SGC504SW sheet has up to 30 times the impact strength of "Acrylic" and 10 times the impact strength of "Modified Acrylic".



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