

SPECIALTY SHEET

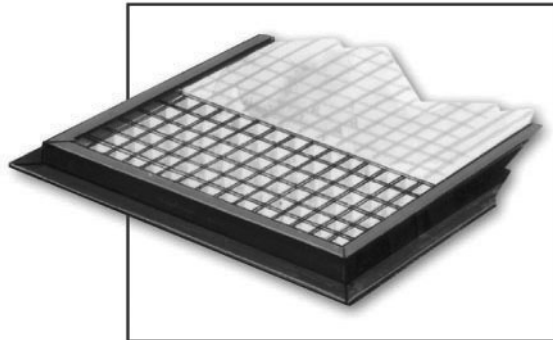
Dur-iFlex™



Linear Fluorescent



RDI Recessed Direct/Indirect



Overlay

Description

Dur-iFlex Optical Overlay offers the same aesthetic appeal as acrylic with visibly better performance. Providing uniform brightness, this thin, durable sheet allows Dur-iFlex to follow the contours of the most demanding application. Easily sheared or die stamped, Dur-iFlex is available in any size up to 48" wide x 50" long.

Two versions are available. HT High Transmission utilizes an advanced plano-convex optical pattern for superior lamp shielding. Total transmission is 93.4%, the diffusion factor is 89.1% MW Matte White has a stipple finish in matte white, total transmission of 73%, a diffusion factor of 99%, and is available in .010" and .020" thicknesses.

Applications

Use Dur-iFlex for recessed commercial fixtures with plastic or aluminum optical louvers, or in recessed or suspended commercial fixtures with perforated metal baskets.

Materials

See the LexaLite brand price list for current part numbers and material offerings.

Please visit our web site:

www.alplighting.com/lexalitematerials.htm to view our up to date and detailed material specifications.

Ordering Information

Please call 877-257-5841 for price and delivery.

Notice

A.L.P. Lighting Components, Inc. assumes no responsibility for suitability of luminaires and applications. The use of lenses near and above 70°C temperatures with high UV output light sources will cause degradation of the material.

Dur-iFlex™ Sheet

Thin, flexible optical overlay sheet
Easily sheared or die stamped

Dur-iFlex HT High Transmission

Material: Dur-illum 2200™
Pattern: Plano-convex
Color: Clear
Thickness: .020"
Max temp: 60°C
Transmission: 93.4%
Diffusion factor: 89.1%
Standard size: 48" wide x 50" long
Custom sizes available

Dur-iFlex MW Matte White

Material: Dur-illum 2200™
Color: White
Thicknesses: .010" and .020"
Max temp: 60°C
Transmission: 73%
Diffusion factor: 99%
Standard size: 48" wide x 50" long
Custom sizes available



Photopia Component Library:

Dur-iFlex HT .020



A.L.P.

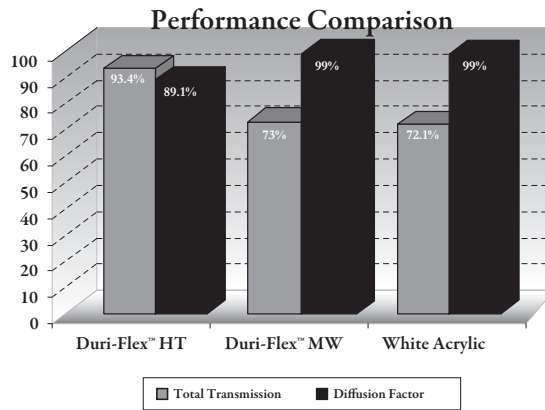
LIGHTING COMPONENTS, INC.
WEB SITE: WWW.ALPLIGHTING.COM



LEXALITE

SPECIALTY SHEET

Dur-iFlex™



Dur-iFlex™ HT Optical Overlay Performance Data

Mechanical Properties

| Test | Condition | Units | Value |
|-----------------------------|---------------|-------------------|---------|
| Specific Gravity | D792 | g/cm ³ | 1.33 |
| Tensile Modulus | D638 | psi | 320,000 |
| Tensile Strength | D638 | psi | 8,500 |
| Flexural Modulus | D790 | psi | 320,000 |
| Flexural Strength | D790 | psi | 12,200 |
| Izod Impact | D256 | Ft-lbs/in. | 0.93 |
| | (73°F, -40°C) | | 0.52 |
| Falling Dart Impact | D3029 | Ft-lbs | 500 |
| | (73°F, -40°C) | | 400 |
| Heat Deflection Temperature | D648 | °F | 162 |
| Hardness | D2240 | Shore D | 106 |
| Gardner Gloss | D523 | % | 90 |
| Flammability Ratings | UL94 HB | | Passes |

Dur-iFlex™ MW Optical Overlay Performance Data

Mechanical Properties

| Test | Condition | Units | Value |
|-----------------------------|---------------|-------------------|-----------|
| Specific Gravity | D792 | g/cm ³ | 1.32 |
| Tensile Modulus | D638 | psi | 336,000 |
| Tensile Strength | D638 | psi | 7,078 |
| Flexural Modulus | D790 | psi | 380,000 |
| Flexural Strength | D790 | psi | 12,473 |
| Izod Impact | D256 | Ft-lbs/in. | 0.98 |
| | (73°F, -40°C) | | 0.55 |
| Falling Dart Impact | D3029 | Ft-lbs | |
| | (73°F, -40°C) | | |
| Heat Deflection Temperature | D648 | °F | 162 |
| Hardness | D785 | Rockwell R | 112 |
| Gardner Gloss | D523 | % | |
| Burglary Resistance | UL 972 | | Passes |
| ICC (ICBO) | | | Certified |

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