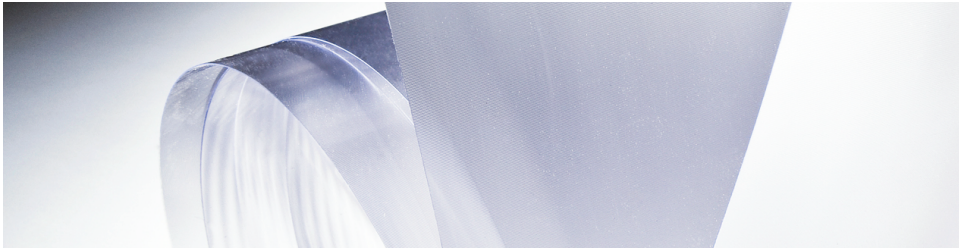
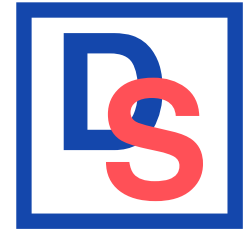


Diffuser Specialist

Dur-iFlex Specialty Sheet



General 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 planoconvex 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.

Application

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

Ordering Information

Please call 1.800.880.5483 for price and delivery.

Notice

Diffuser Specialist 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 2200TM

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 2200TM

Color: White

Thicknesses: .010" and .020"

Max temp: 60°C

Transmission: 73%

Diffusion factor: 99%

Standard size: 48" wide x 50" long

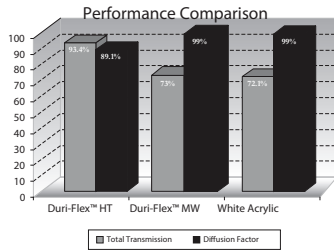
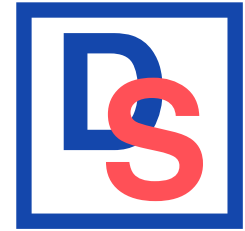
Custom sizes available

Materials:

See the LexaLite brand price list for current part numbers and material offerings. Please visit our web site: www.alplighting.com/lexalite-materials.htm to view our up to date and detailed material specifications.

Diffuser Specialist

Dur-iFlex Specialty Sheet



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