

RowLux[®] 3D PATTERN

A RowLux[®] Illusion film – PC2

Key Performance Properties

- Optical
- Mechanical
- Thermal

Applications

- Die-Cutting
- Hot Stamping
- Adhesive Bonding
- Printing
 - Silk screening
 - Lithographic printing
 - Flexographic printing

Common Uses

- Packaging applications
- POP displays
- Vending machines
- Apparel and accessories
- Business cards
- Decals
- Home furnishings
- Lampshades
- Musical
- Lighting applications

Technical Data

Thickness Range	0.015"
Material Substrate	Polycarbonate
Film Opacity	Translucent or Opaque 10 colors Custom colors available upon request
Master Roll Lengths	up to 670 linear yards Custom roll lengths available
Widths	25.375"
Sheets	Custom sheet sizes available



ORAFOL Americas
Advanced Polymer Films

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Wallingford, CT 06492
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Typical Properties for Polycarbonate

	Test Method	Units	Typical Values
Physical			
Specific Gravity	ASTM D-792	–	1.20
Water Absorption	ASTM D-570	% max	0.32 equilibrium
Rockwell Hardness	ASTM D-785	R Scale	118
Pencil Hardness	ASTM D-3363	Scratch Hardness	B
Coefficient of Thermal Expansion	ASTM D-696	in / in / °F	38 x 10 ⁻⁶
Optical			
Light Transmission	ASTM D-1003	%	88-91
Refractive Index	ASTM D-542	N _b	1.586
Mechanical			
Tensile Strength, Yield	ASTM D-882	psi	8,700
Tensile Strength, Break	ASTM D-882	psi	10,500
Elongation	ASTM D-882	%	150
Tensile Modulus	ASTM D-882	psi	350,000
Thermal			
Tensile Heat Distortion	ASTM D-1637	°F	302 @ 50 psi
Deflection Temperature	ASTM D-648	°F	288 @ 264 psi
Vicat Softening Temperature	ASTM D-1525	°F	305-315

Note

Properties reported here are typical of average lots. Rowland Advanced Polymer Films makes no representation that the material in any particular shipment will conform exactly to the value given herein nor is Rowland Advanced Polymer Films responsible for the performance of this material for a given application. The user of the material should perform their own testing to determine the suitability of the material for the intended use. Applications depicted herein are not specifications. They are provided as information only.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



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