

Key Performance Properties

- Optical
- Mechanical
- Thermal
- Electrical

Applications

- Printing
- Die-Cutting
- Embossing
- Thermoforming
 - Lower Heat Deflection temperature than RowTec® PC1
- Hot Stamping

Technical Data

Thickness Range	0.002" – 0.030"
Surface Textures	Gloss/Gloss* Velvet/Matte Velvet/Gloss Matte/Gloss
Master Roll Lengths	up to 2,000 yards (<i>dependent on thickness</i>) Custom roll lengths available
Widths	48.5" – 63" Custom slit widths available
Sheets	24.5" x 48.5" sheets 48.5" x 96.5" sheets Custom trimmed and squared sheets available

* Standard protective masking configuration (0.005" - 0.007" is cling/cling and 0.010" - 0.030" is stick/cling).



Typical Properties *(for Clear unless otherwise noted)*

	Test Method	Units	Typical Values
Physical			
Specific Gravity	ASTM D-792	–	1.20
Water Absorption at equilibrium	ASTM D-570	%	0.32
Rockwell Hardness	ASTM D-785	M Scale	73
Optical			
Refractive Index @ 77° F (25° C)	ASTM D-542	N _D	1.586
Light Transmission	ASTM D-1003	%	89
Haze	ASTM D-1003	%	1.0
Mechanical			
Tensile Strength, Break	ASTM D-638	psi	9,500
Tensile Strength, Yield	ASTM D-638	psi	8,700
Tensile Elongation, Break	ASTM D-638	%	120
Tensile Modulus of Elasticity	ASTM D-638	psi	340,000
Impact Strength, Notched Izod @ 73° F	ASTM D-256	ft-lb / in	14
Thermal			
Deflection Temperature under Flexural Load @ 264 psi	ASTM D-648	°F	258
Vicat Softening Temperature	ASTM D-1525	°F	297
Electrical			
Dielectric Strength @ 72° F in oil, short time ¹	ASTM D-149	V / mil	420
Dielectric Constant 60 Hz/1 Mhz	ASTM D-150	–	3.00 / 3.00
Dissipation Factor 60 Hz/1 Mhz	ASTM D-150	–	0.001 / 0.002
Volume Resistivity	ASTM D-257	Ω-cm	10 ¹⁷

Footnotes:

(1) Value for 0.010" film

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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