

Label and PolyTherm® Products



- Ideal for bar code applications.
- Wavex® products are suitable for near IR and IR scanning.
- PolyTherm® products are based on polypropylene film.

Considerations	Grade Choice
<i>Applications where high water resistance or sheet strength is needed</i>	PolyTherm®
<i>Applications where high plasticizer content adhesives could migrate through the paper sheet-this polypropylene film provides an excellent barrier</i>	
<i>For applications where UV light is prevalent and prolonged label whiteness is needed</i>	LightSafe®
<i>For applications that use near infrared or full infrared scanners to decode the ID symbology—for use in dirty environments</i>	Wavex®
<i>For applications where UV light is prevalent and added image life is needed</i>	
<i>Introduce a brightly colored face stock for high label visibility</i>	ThermArt®
<i>Where extended image life is required in normal environments or resistance to oils and grease is needed</i>	Résiste®
<i>For applications where moderate resistance to water, oil and plasticizer is essential.</i>	Alpha® Plus
<i>For economy applications where either the label life expectation is short or the environment is clean and controlled</i>	Alpha®



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	Caliper (µm)	Basis Weight ($\frac{17 \times 22 - 500 \text{ lbs.}}{\text{g/m}^2}$)	Top-coated	Back-coated	Image Resistance	Heat Resistance	Print Speed ($\frac{\text{ips}}{\text{mm/s}}$)	Applications
PolyTherm® 500-3.9	98	$\frac{21.2}{79.8}$	■		Excellent		$\frac{2-8}{51-203}$	Baggage Tags, Pharmaceutical Labels, Shelf Marking Labels, Ski Lift Tickets, Clean Room
NEW! PolyTherm® 300-4.1	104	$\frac{22.0}{82.7}$	■		Excellent		$\frac{2-4}{51-102}$	Baggage Tags, Pharmaceutical Labels, Shelf Marking Labels, Ski Lift Tickets, Clean Room
NEW! PolyTherm® 300-3.4	86	$\frac{18.2}{68.6}$	■		Excellent		$\frac{2-4}{51-102}$	Shelf Marking Labels, Ski Lift Tickets, Clean Room
NEW! PolyTherm® 300-3.0	76.2	$\frac{16.2}{60.9}$	■		Excellent		$\frac{2-4}{51-102}$	Baggage Tags, Pharmaceutical Labels, Produce Labels, Shelf Marking Labels, Industrial Labels, Clean Room
NEW! PolyTherm® B 300-3.0	76.2	$\frac{16.2}{60.9}$	■	■	Excellent		$\frac{2-4}{51-102}$	Removable Labels, Backside Printed Materials
LightSafe® 300-3.3	84	$\frac{21.5}{80.7}$	■		High	■	$\frac{2-8}{51-203}$	Warehouse Labels, Distribution Labels, Industrial Labels, RFID Labels, Pharmaceutical Labels, Shelf Marking Labels, Retail Labels
900-Wavex® 600-3.4	86	$\frac{23.1}{86.7}$	■		High		$\frac{2-5}{51-127}$	Industrial Labels, Infrared Readable Applications, Pharmaceutical Labels
700-Wavex® 400-3.3	85	$\frac{21.3}{80.4}$	■		High	■	$\frac{2-5}{51-127}$	Baggage Tags, Industrial Labels, Package Delivery Labels, Near Infrared Readable Applications
675-Wavex® 400-3.3	85	$\frac{21.7}{81.8}$	■		High	■	$\frac{2-5}{51-127}$	Industrial Labels, Near Infrared Readable Applications, Pharmaceutical Labels, RFID Labels, Warehouse Labels
ThermArt® Orange 600-3.2	81	$\frac{20.9}{78.7}$	■		High		$\frac{2-5}{51-127}$	Retail Labels

Key to Thermal Product Names

Performance Parameter
Primary property of the product.

Résiste® B Blue 800 - 3.0

Thickness/Caliper
The nominal caliper of the product in mils.

Barrier Coating
'B' is listed if the product has a protective barrier coating on the back side.

Image Color
Color listed if image produced is not black (except ThermArt® grades).

Sensitivity
The higher the number, the less energy it takes to produce an image.

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	Caliper (µm)	Basis Weight (17x22-500 lbs.) g/m ²	Top-coated	Back-coated	Image Resistance	Heat Resistance	Print Speed (ips mm/s)	Applications
NEW! Résiste® Rx 200 -3.2	81	$\frac{21.0}{79.0}$	■		V. High		$\frac{2-8}{51-203}$	Retail Pharmacy Vial Labels
Résiste® Blue 800-3.3	84	$\frac{21.3}{80.0}$	■		High		$\frac{2-8}{51-203}$	Retail Labels, Weigh Scale (Price Weigh) Labels
Résiste® 900-3.0	76	$\frac{21.1}{79.2}$	■		Excellent		$\frac{2-10}{51-254}$	Warehouse Labels, Compliance Labels, Industrial Labels, Retail Labels, RFID Labels
Résiste® 210-3.3	84	$\frac{21.2}{79.7}$	■		High		$\frac{2-5}{51-127}$	Retail Labels, Compliance Labels, Industrial Labels, Warehouse Labels, Weigh Scale (Price Weigh) Labels
Résiste® 200-3.1	79	$\frac{21.1}{79.4}$	■		Moderate		$\frac{2-5}{51-127}$	Retail Labels, Compliance Labels, Industrial Labels, Warehouse Labels, Weigh Scale (Price Weigh) Labels
Résiste® B 190-3.2	81	$\frac{21.0}{79.0}$	■	■	Moderate		$\frac{2-6}{51-152}$	Cold Storage/Freezer Labels
Résiste® 190-3.2	84	$\frac{20.9}{78.5}$	■		Moderate		$\frac{2-6}{51-152}$	Warehouse Labels, Weigh Scale (Price Weigh) Labels, Retail Labels, Industrial Labels, RFID Labels
NEW! Alpha® Plus 300-3.3	84	$\frac{20.5}{77.1}$			Moderate		$\frac{2-8}{51-203}$	Weigh Scale (Price Weigh) Labels, Distribution Labels
Alpha® 180-3.3	84	$\frac{20.5}{77.1}$			Short Life Only		$\frac{2-4}{51-102}$	Bakery Labels, Distribution Labels, Weigh Scale (Price Weigh) Labels
NEW! Alpha® 185-3.2	81	$\frac{20.2}{75.9}$			Short Life Only		$\frac{2-6}{51-152}$	Distribution Labels, Cross Docking Labels, Weigh Scale (Price Weigh) Labels

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Barrier Coating
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Image Color
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Sensitivity
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