

# Scientific and Office Products



- Impressive range of products for medical and industrial charts.
- PolyTherm® products are highly durable and based on biaxially-oriented polypropylene (BOPP) film.
- A range of sensitivities for most applications.

Considerations	Grade Choice
<i>Fiber-free for clean rooms</i>	<b>PolyTherm®</b>
<i>Durable and flexible film-based products</i>	
<i>General purpose grades</i>	<b>Alpha®</b>



APPVION

# Scientific and Office Products

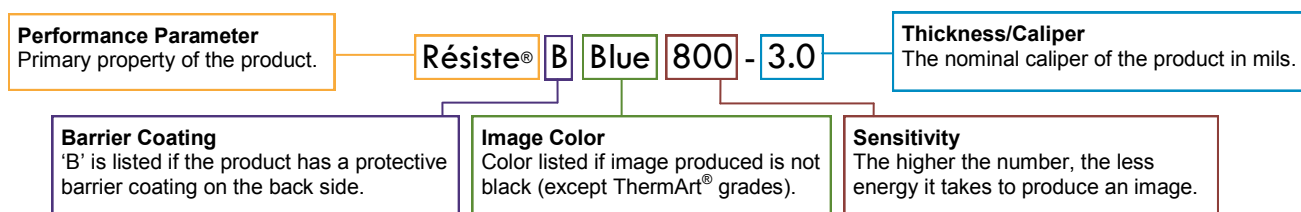
	Caliper (µm)	Basis Weight 17x22-500 lbs. g/m <sup>2</sup>	Topcoated	Image Color	Image Longevity	End-Use Applications*	Recommended Printing Processes			
							Offset Front	Offset Back	Flexo Front	Flexo Back
PolyTherm® 300-4.1	104	$\frac{21.8}{82.1}$	■	Black	High	Clean Room, Portable Printer Receipts, Plotter	UV		UV& WB	
PolyTherm® 300-3.4	86	$\frac{18.0}{67.6}$	■	Black	High	Clean Room, Portable Printer Receipts	UV		UV& WB	
PolyTherm® 300-3.0	76	$\frac{15.9}{59.6}$	■	Black	High	Clean Room, Portable Printer Receipts	UV		UV& WB	
PolyTherm® 200-3.8	99	$\frac{21.1}{79.3}$	■	Black	High	Clean Room, Portable Printer Receipts, Plotter, Backside Printed Material	UV	UV	UV& WB	UV& WB
PolyTherm® 200-3.2	84	$\frac{18.1}{67.9}$	■	Black	High	Clean Room, Portable Printer Receipts, Plotter, Backside Printed Material	UV	UV	UV& WB	UV& WB
Alpha® 820-3.4	86	$\frac{20.6}{77.4}$		Black	Medium	Industrial Chart, Facsimile, Medical Chart	•	•	UV†& WB	UV& WB
Alpha® 820-2.4	61	$\frac{13.4}{50.4}$		Black	Medium	Medical Chart, Plotter	•	•	UV†& WB	UV& WB
Alpha® 800-3.4	86	$\frac{20.6}{77.4}$		Black	Medium	Industrial Chart, Medical Chart, Plotter		•	WB	WB
Alpha® 800-2.4	61	$\frac{14.0}{52.6}$		Black	Medium	Facsimile, Medical Chart		•	WB	WB
Alpha® 400-2.3	58	$\frac{13.3}{49.9}$		Black	Standard	Calculator, Facsimile, Plotter		•	WB	WB

- Compatible with printing method. Always validate ink for compatibility with thermal chemistry and OEM device
- † Nontopcoat grades generally work with UV flexo inks but not with UV overprint varnish

WB Water-based  
UV Ultraviolet

\*Use of Appvion, Inc.'s thermal products in processing, equipment, end-use or other applications for which they were not intended voids all warranties.

## Key to Thermal Product Names



APPVION