

Tiered Labeling Solutions

Flexcon's ThermoFilm® Advantage™ line delivers exactly the level of durable label performance your application demands—no more, no less. With three tailored adhesive tiers, this portfolio offers standard, enhanced, and extreme bonding solutions for smooth plastics, oily surfaces, and even rough outdoor materials.

Where the ThermiFilm® Advantage™ family stands out is in its range of adhesive options. These include the Value line, offering standard durable performance; the Superb line, with enhanced durability; and the Extreme line, providing best-in-class adhesion.



A bar chart comparing the peel strength (N/25mm) for five materials across three categories: Value, Superb, and Extreme. The y-axis represents the peel strength, ranging from 0 to 30 N/25mm. The x-axis lists the materials: Stainless Steel, Glass, PP, Automotive Paint, and PBT. The legend indicates that dark blue bars represent 'Value', orange bars represent 'Superb', and light blue bars represent 'Extreme'.

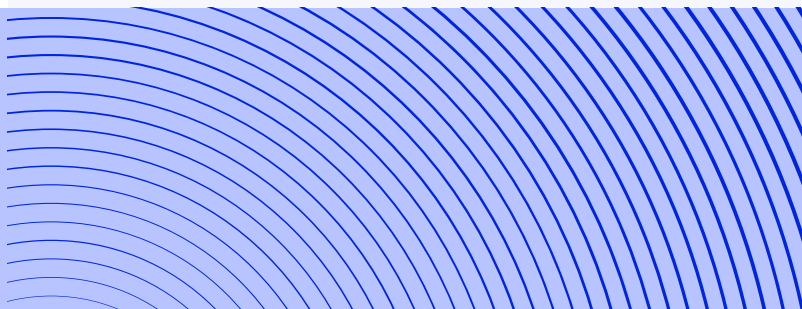
Material	Value (N/25mm)	Superb (N/25mm)	Extreme (N/25mm)
Stainless Steel	17	21	26
Glass	19	25	26
PP	12	7	30
Automotive Paint	16	19	30
PBT	16	17	30

- General-purpose labeling for high-energy plastics and metals
- Ideal for equipment ID tags and internal tracking

- Optimized for medium-energy surfaces like powder-coated metal and oily plastics
- Excellent for automotive and electronics housings

- High-tack adhesion for textured, low-energy plastics
- Durable marking for outdoor and industrial assets

With decades of experience in engineered labeling solutions, Flexcon's ThermoFilm® Advantage™ products are trusted across industries where performance and durability can't be compromised.



Flexcon® ThermIFilm® Advantage™

Product Construction Sheet

	Value	Superb	Extreme	Test Method
Film				
Thickness (microns)	50 (+/- 10%)	50 (+/- 10%)	50 (+/- 10%)	ASTM D 3652
Adhesive				
Thickness (microns)	22 (+/- 3)	27 (+/- 3)	36 (+/- 3)	ASTM D 3652
Surface (N/25mm)				FTM 1 (72 hour dwell)
Stainless Steel	17	21	26	
Glass	19	25	26	
Polypropylene	13	8	30	
Automotive Paint	-	19	30	
PBT	-	18	31	
Shear (hours)	100	50	100	FTM 8 (1 hour dwell on stainless steel with a 2kg weight ASTM D 2979)
Probe Tack (gram/sq cm)	540	720	948	
Liner				
Thickness (microns)	56 (+/- 10%)	56 (+/- 10%)	56 (+/- 10%)	ASTM D 2979
Complete Construction				
Service Temp (°C)	-40 to 150	-40 to 150	-40 to 150	
Application Temp (°C)	2	10	10	

UL Certification

All ThermIFilm® Advantage™ products are UL Certified.

Converting Recommendations

Suitable for conventional and thermal printing with combo and resin ribbons. For Extreme range: The products are coated with a high-performance 36 micron thick adhesive, proper set and clean dies are needed for good converting. For clear material, the high-performance adhesive has a slight yellow color which cannot be avoided.

Storage Recommendations

Material is stable for two years stored at max 21 °C and 50% relative humidity. Damp conditions, excessive heat and/or freezing conditions should be avoided.

Additional Information

Expected exterior life dependent on substrate but label material is outdoor resistant for at least 2 years. Material meet REACH/SVHC and RoHS requirements, IMDS data available upon request.



Product List

FLX#	EU Part #	Description
Value		
070607	PET-DCA2-9V09S/22	ThermIFilm® Advantage™ Value Clear
070473	PET-DUA2-9V09S/22	ThermIFilm® Advantage™ Value Satin Silver
070475	PET-DYA1-9V09A/22	ThermIFilm® Advantage™ Value Satin White
070472	PET-DWA2-9V09S/22	ThermIFilm® Advantage™ Value White
070474	PET-DWC2-9V09S/22	ThermIFilm® Advantage™ Value White Matte
Superb		
070993	PET-DCA2-9W09S/27	ThermIFilm® Advantage™ Superb Clear
070608	PET-DUA2-9W09S/27	ThermIFilm® Advantage™ Superb Satin Silver
070481	PET-DYA1-9W09A/27	ThermIFilm® Advantage™ Superb Satin White
070551	PET-DWA2-9W09S/27	ThermIFilm® Advantage™ Superb White
070994	PET-DP79-9W09A/27	ThermIFilm® Advantage™ Superb Platinum Silver
Extreme		
070488	PET-DCA2-9U09S/36	ThermIFilm® Advantage™ Extreme Clear
070600	PET-DUA2-9U09S/36	ThermIFilm® Advantage™ Extreme Satin Silver
070487	PET-DYA1-9U09A/36	ThermIFilm® Advantage™ Extreme Satin White
070485	PET-DWA2-9U09S/36	ThermIFilm® Advantage™ Extreme White
070995	PET-DP79-9C09A/36	ThermIFilm® Advantage™ Extreme Platinum Silver



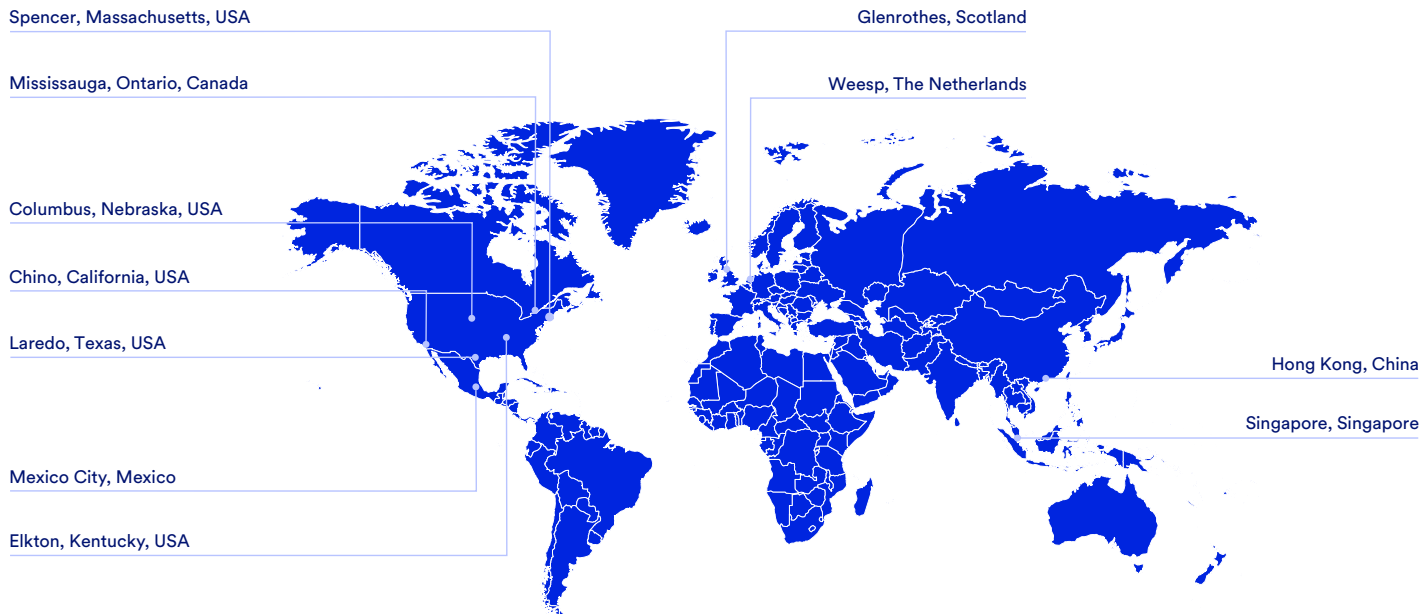
Please visit our website at www.flexcon.com to explore more product options.



Supporting Businesses Globally

Flexcon® Global is a preferred provider of innovative coatings, film laminations, and functional technologies. Flexcon is committed to understanding customer challenges and co-creating solutions that positively impact society and the environment. A family-owned business for nearly 70 years, Flexcon develops and manufactures quality products with precision and efficiency for markets such as healthcare, sustainable packaging, transportation, consumer durables, electronics, industrial, retail and advertising and construction and energy with a goal of advancing bonds, innovation and our world.

Headquartered in Spencer, MA, USA, the company has operations and distribution throughout North America, Europe and Asia. For more information on our European products and operations, visit www.flexcon.com or call (UK) +44 1592 663 200 or (NL) +31 294 491 800.



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