

Product Construction Sheet

THERMLfilm® PM 200 WHITE HS TC-390 V-305 40W GL-9

This is a thermal transfer printable top-coated heat stabilized white polyester film coated with a permanent pressure sensitive acrylic adhesive and backed with a glassine release liner.

NOTE: Heat stabilized polyester minimizes the shrinkage at elevated temperatures.

THERMLfilm® PM 200 W HS TC-390 V-305 40W GL-9	WHITE	HSM-DW23-2U09S /22
--	--------------	--------------------

THERMLfilm is a registered trademark of Flexcon.

Typical Physical Properties		Typical Value	Unit	Test Method
FILM – PET	Thickness	50 ± 10%	Micron	ASTM D 3652
ADHESIVE	Thickness	22 ± 3	Micron	ASTM D 3652
	Adhesion from:			
	Stainless Steel	17	N / 25mm	FTM 1 (72 hour dwell)
	Glass	17		
	Polypropylene	12		
	Acrylic	17		
	Shear	100	Hours	FTM 8 (1 hour dwell on stainless steel with a 2kg weight)
	Probe Tack	530	gram/sq cm	ASTM D 2979
LINER	Thickness	56 ± 10%	Micron	ASTM D 3652
COMPLETE CONSTRUCTION	Service Temp	-40 to 150 (180°C one hour exposure) (220°C short term exposure)	°C	
	Application Temp	10	°C	

Converting Recommendations

Suitable for conventional printing methods, thermal transfer printing with wax, combo and resin ribbons and UV Inkjet.

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 dependant on substrate but label material is outdoor resistant for at least 2 years.

Material meets REACH and RoHS requirements, IMDS data available upon request.

12-Aug-24

Product Performance and Suitability

Descriptive information, performance data, and recommendations for Flexcon products are guides and not specifications. Providing this information is to assist you and does not constitute a warranty of any kind by Flexcon. Purchasers must independently determine the material's suitability for their intended use. No distributor, salesman, or representative of Flexcon is authorized to provide any warranty or guarantee beyond what is stated. **FLEXCON MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, OR TRADE USAGE.**

Produkt Konstruktionsblatt

THERMLfilm® PM 200 WHITE HS TC-390 V-305 40W GL-9

Dies ist eine hitzeestabilisierte, weisse Polyesterfolie mit einer Druckvorbehandlung für thermotransfer Bedruckung, versehen mit einem permanenten Acryklebstoff und einem Glassine-Träger für Rollenware.

HINWEIS: Hitzeestabilisiertes Polyester minimiert die Schrumpfung bei erhöhten Temperaturen.

THERMLfilm® PM 200 W HS TC-390 V-305 40W GL-9	WEISS	HSM-DW23-2U09S /22
--	--------------	--------------------

THERMLfilm ist eine eingetragene Marke von Flexcon

Physikalische Eigenschaften		Richtwert	Einheit	Testmethode
BASISFOLIE PET	Stärke	50 ± 10%	Micron	ASTM D 3652
	Stärke	22 ± 3	Micron	ASTM D 3652
	Schälwerte:			
	Rostfreier Stahl	17	N / 25mm	FTM 1 (Modifiziert auf 72 h Kontaktzeit)
	Glas	17		
KLEBSTOFF	Polypropylen	12		
	Acryl	17		
	Scherfestigkeit	100	Std.	FTM 8 (Verweilzeit 1 Std. auf Edelstahl mit einer Belastung von 2Kg)
TRÄGER	Anfangshaftung	530	gram/sq cm	ASTM D 2979
	Stärke	56 ± 10%	Micron	ASTM D 3652
GESAMT-KONSTRUKTION	Temp. Bereich	-40 to 150 (180°C one hour exposure) (220°C short term exposure)	°C	
	Verklebungstemperatur	10	°C	

Bedruckbarkeit

Geeignet für konventionelle Bedruckungsarten (Lösungsmittel, Wasser + UV Farben), sowie Thermotransfer mit Kombinations- und Harzbändern und UV-Inkjet.

Lagerung

2 Jahre haltbar bei Lagerung bei maximal 21°C und 50% relativer Luftfeuchtigkeit. Lagerung bei sehr hoher Luftfeuchtigkeit, Hitze oder Kälte vermeiden.

Zusätzliche Informationen

Die erwartete Lebensdauer bei Außenanwendungen ist von den Verklebungsoberflächen abhängig, Etiketten-material ist jedoch mindestens zwei Jahre witterungsbeständig.

Die Folie entspricht den REACH und RoHS-Anforderungen, IMDS-Daten verfügbar auf Anfrage.

12-Aug-24

Product Performance and Suitability

Descriptive information, performance data, and recommendations for Flexcon products are guides and not specifications. Providing this information is to assist you and does not constitute a warranty of any kind by Flexcon. Purchasers must independently determine the material's suitability for their intended use. No distributor, salesman, or representative of Flexcon is authorized to provide any warranty or guarantee beyond what is stated. **FLEXCON MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, OR TRADE USAGE.**

Fiche Technique

THERMLfilm® PM 200 WHITE HS TC-390 V-305 40W GL-9

Il s'agit d'un film en polyester blanc thermo stabilisé, avec une couche de finition imprimable par transfert thermique, un adhésif acrylique sensible à la pression permanent et une doublure en papier cristal.

REMARQUE : le polyester thermo stabilisé permet de réduire le rétrécissement à températures élevées.

THERMLfilm® PM 200 W HS TC-390 V-305 40W GL-9	BLANC	HSM-DW23-2U09S /22
--	--------------	--------------------

THERMLfilm est une marque déposée Flexcon

Propriétés Physiques Type		Valeur Type		Unité	Méthode de Test
FILM – PET	Epaisseur	50	± 10%	Micron	ASTM D 3652
ADHESIF	Epaisseur	22	± 3	Micron	ASTM D 3652
	Adhésion sur : Acier17 Verre17 Polypropylène12 Acrylique17			N / 25mm	FTM 1 (72 heures)
	Cisaillement	100		Heures	FTM 8 (1 heure sur de l'acier avec un poids de 2kg)
	Tack	530		gram/ cm²	ASTM D 2979
	PROTECTEUR	Epaisseur	56	± 10%	Micron
CONSTRUCTION COMPLETE	Température d'utilisation	-40 to 150 (180°C one hour exposure) (220°C short term exposure)		°C	
	Temp. d'application	10		°C	

Recommandation d'utilisation

Convient pour méthodes impression conventionnelles, transfert thermique avec ruban combo et résine et impression par jet d'encre UV.

Recommandation de stockage

Le matériel est stable pour 2 ans dans des conditions de stockage à 21°C maximum et 50% d'humidité relative. Atmosphère humide, conditions de froid ou de chaud excessif à bannir.

Renseignements complémentaires :

Ce produit à une durée de vie en extérieur de 2 ans, dépendant du substrat sur lequel a été posée l'étiquette.

Ce produit répond aux exigences de la norme REACH et RoHS. Une fiche IMDS est disponible à la demande.

12-Aug-24

Product Performance and Suitability

Descriptive information, performance data, and recommendations for Flexcon products are guides and not specifications. Providing this information is to assist you and does not constitute a warranty of any kind by Flexcon. Purchasers must independently determine the material's suitability for their intended use. No distributor, salesman, or representative of Flexcon is authorized to provide any warranty or guarantee beyond what is stated. **FLEXCON MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, OR TRADE USAGE.**