

TECHNICAL TEXTILES

FILM SELECTOR GUIDE

INNOVATIVE
SOLUTIONS
for INDUSTRIAL
PRODUCTIONS by



PROCHIMIR

T E C H N I C A L F I L M S

MONOLAYER FILMS

Versatile production & Production capacity
SUPPLY SECURITY

Efficient R&D & Customized development
COST EFFECTIVE PRODUCTS

Iso 9001v2008 & 25 years of experience
QUALITY

Films	POLYOLEFINS				TPU							CoPA - CoPES	
	TC 1027	TC 1018	TC 1007	TC 3070	TC 5006	TC 5009	TC 5011	TC 5017	TC 5025	TC 5030	TC 5530	TC 203	TC 420
Nature	EVA	EVA	EVA	PP	TPU	TPU	TPU	TPU	TPU	TPU	TPU	CoPA	CoPES
Melting range (°C)	65-85	80-95	90-95	130-140	70-85	100-105	115-125	145-160	160-175	170-190	150-170	110-115	110-125
Fluidity	High	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	Medium	High	High
Washing resistance (°C)	-	60	60	60	30	30	60	60	90	90	90	60	60
Dry cleaning resistance	-	-	-	-	-	+	+	+	+	+	+	+	+
Hydrolysis resistance	+	+	+	+	-	-	-	-	-	-	+	+	+
HF weldability	+	+	-	-	-	+	+	+	+	+	+	+	+
Minimum thickness (µm)	25	25	25	30	15	15	15	15	15	15	15	15	15
Structure*	A	A	A	A	A/S	A/S	A - A/S	A - A/S	B - B/S	B - B/S	B - B/S	A/S	A - A/S
Comments	High fluidity EVA for textile applications	EVA for foam and textile applications	High temperature EVA adhesive	Special PP bonding film	Excellent TPU bonding film for leather applications	Versatile TPU bonding film	Excellent bonding on PU foams and textiles	Excellent bonding on PU foams and textiles	TPU barrier for flame lamination	Very soft and elastic TPU film	HF Weldable TPU film for inflates	Strong adhesive, barrier to PVC plasticizers	Strong CoPES adhesive

* A: Adhesive B: Barrier S: PE Carrier

MULTILAYER FILMS

Films	POLYOLEFINS			TPU			CoPA	
	TC 1027 CX 00	TC 1018 CX 00	TC 5125 CX 18	TC 5025 CX 03	TC 5020 CX 11	TC 5563 CX 11	TC 203 CX 176	TC 5526 CX 205
Nature	EVA/PE	EVA/PE	EVA/TPU	TPU/TPU	TPU/TPU	TPU/TPU	CoPA/PE	CoPA/TPU
Adhesive melting range (°C)	75-85	80-90	80-90	70-85	115-125	115-125	115-130	120-130
Barrier melting range (°C)	120-130	120-130	160-175	160-180	145-155	180-185	110-120	165-170
Fluidity (adhesive layer)	High	Medium	Medium	Medium	Medium	Medium	High/Low	High
Washing resistance (°C)	-	60	60	30	60	60	60	60
Dry cleaning resistance	-	-	-	-	+	+	-	+
Hydrolysis resistance	+	+	-	-	-	-	+	+
HF weldability	-	-	+	-	+	+	-	+
Minimum thickness (µm)	25	25	25	20	40	20	25	25
Structure*	A/B - A/B/A	A/B - A/B/A	A/B - A/B/A	A/B - A/B/S	A/B/A	A/B	A/A	A/B
Comments	Low melting EVA film with PE barrier	General purpose multilayer PE film	Strong EVA adhesive with high temperature TPU barrier	Bilayer TPU film for textile protection	Trilayer TPU film for water and windproof laminates	Bilayer TPU film with high chemical resistant Ether barrier	Specific film to bond ABS / PC and PA on other substrates	Bilayer film combining a strong adhesive and a high chemical resistant barrier

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MEMBRANES

Films	TPU			CoPA - PES				PES
	AA 5360	AA 5364	IRT 3	IR Type A	IR Type N 2.0	IR Type N 5.0	IR Type E	B & B
Nature	TPU	TPU	TPU	PEBA	PES	PES	PES	PES
Melting range (°C)	160-170	160-170	145-160	150-160	180-200	190-200	210-220	175-185
Washing resistance (°C)	95	95	95	60	95	95	95	95
MVTR (g/m ² /24h)**	< 1'000	< 1'000	> 3 000	> 3 500	> 3 500	> 3 000	> 3 000	> 3 000
RET	N.A.	N.A.	3,3	N.A.	2	5	8,5	0,8 // 7
Hydrostatic Head (mmH2O)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Minimum thickness (µm)	15	15	12	15	12	12	12	15
Structure*	B - B/S	B - B/S	B - B/S	B - B/S	B - B/S	B - B/S	B - B/S	B & B/S B & B
Comments	Dedicated to mattress protection	Oelotex® dedicated membrane for mattress protection	High breathable membrane	Medical applications	High performance and soft PES membrane	High temperature resistant PES membrane	Dedicated breathable PES membrane for sublimation	Two sides effect membrane, especially performant in rainy conditions

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** intern method ASTM E96 B-like (upright cup)



● PARIS

● PROCHIMIR



 **PROCHIMIR**
TECHNICAL FILMS

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