

Competitive OFFSET REFERENCE

Flex Grade	Type of Film	Thickness	DTF	Toray	Mitsubishi	Polyplex	Terephane	JBF	SKC
F-HTF	Heat Stable	12µm-50µm	HS2	F65 60.01	2262N	TFS	N/A	A460	SM30 SM40
F-STF	Soft Touch	14µm	N/A	N/A	N/A	MC100	N/A	N/A	N/A
F-XLR	Super Clear Film (Not Solar Grade)	12µm-36µm	D461	XG531 U65	4407	UCF107	N/A	N/A	SH21
F-CLR	Clear Film (Not Solar Grade)	9µm-36µm	D453	F7S UF65	4TLON	CF102	N/A	N/A	SH21
F-MAT	Matte Film	12µm-50µm	EB11 M377	X42	MT01	DL101	N/A	A491	TBD
F-LAM	Thermal Lamination	8µm-50µm	H2S	F6L	4LAM	TLLC	N/A	A460	SM40
F-SLC	Silicone Coating Base	19µm-50µm	HS2	F7S/R F65	2262	HZ100	N/A	N/A	SM40
F-WAP	White Opaque	23µm-50µm	M329	E20	W270 RT02	TW100/102	61.20 68.15	N/A	SW03G
F-PAP	Plain Film	8µm-50µm	800/800C LB/LBT	XP35	2400N 24CTN	TFC	10.10 10.15	N/A	SP65
F-AU	Acrylic Coated	8µm-50µm	D831	N/A	2CSRN	S42/C	10.31 10.51	N/A	SP81
F-CH	Copolyester Coated	10µm-50µm	D822	TA31	2602	S56/C	10.71	N/A	SP91
F-UPF	Polyurethane Coated	10µm-50µm	N/A	N/A	N/A	S60/C	N/A	N/A	SP93
F-CSP	Co-ex Surface	10µm-50µm	M301H	PA10	N/A	N/A	10.21 RT	N/A	N/A
F-HSP/U1	Heat-seal Film U1-w. Coating	10µm-50µm	D850 D851	PA20 PA25/PA26	N/A	HS104	10.23 10.93	N/A	SL10
F-EXC	Extrusion Coatable	12µm-50µm	N/A	N/A	2DEF	PE190	N/A	N/A	N/A
F-ESB	High COF Film	12µm	N/A	N/A	N/A	HF102	N/A	N/A	N/A
F-ESC	Controlled Slip Film	12µm	N/A	N/A	2RD6N 2RD6MN	N/A	N/A	N/A	N/A
F-PCR[†]	GREEN FILM	12µm-36µm	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F-HMB	High Metal Adhesion Film	8µm-50µm	N/A	HMA	N/A	N/A	N/A	N/A	N/A

Standard Products Quick Reference

Grade	Type of Film	Thickness	Haze	Shrinkage	COF	Pretreatments	Typical Applications
F-HTF	Heat Stable	12µm-50µm	4.0%-6.0%	<2.0%MD <0.8%TD ⁺	0.50µs 0.45µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Stamping foil use •Foam laminations
F-PAP	Plain Film	8µm-50µm	4.0%-7.0%	3.0%MD 1.0%TD	0.50µs 0.45µd	<i>CT-Corona Optional</i> <i>UT-Untreated</i>	<ul style="list-style-type: none"> •Laminations •Reverse printing
F-LAM	Thermal Lamination	8µm-50µm	3.5%-5.0%	4.0%MD 2.0%TD	0.50µs 0.45µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Thermal lamination
F-CLR	Clear Film	9µm-36µm	2.5%-2.8%	<3.0%MD <1.0%TD	0.50µs 0.45µd	Acrylic Coating	<ul style="list-style-type: none"> •Over lamination film •Durable labelstock
F-MAT	Matte Film	12µm-50µm	45%-80%	<3.0%MD <1.0%TD	0.50µs 0.45µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Durable labelstock •Stamping and brushed foils
F-SLC	Silicone Coating Base	19µm-50µm	6.0%	3.0%MD 0%TD	0.35µs 0.30µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Base film for off-line silicone coating
F-WAP	White Opaque	23µm-50µm	75-85% Opacity	2.5%MD 0.8%TD	0.50µs 0.45µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Decorative laminations
F-AU	Acrylic Coated	8µm-50µm	4.0%-5.5%	<3.0%MD <1.0%TD	0.50µs 0.45µd	<i>T-Corona Optional</i> <i>U-Untreated</i>	<ul style="list-style-type: none"> •Solvent printing •Solvent laminations
F-CHC/E	Copolyester Coated	10µm-50µm	4.0%-6.0%	<3.0%MD <1.0%TD	0.50µs 0.45µd	<i>C-Corona Optional</i> <i>E-Untreated</i>	<ul style="list-style-type: none"> •Aqueous printing •Aqueous laminations
F-UPF	Polyurethane Coated	10µm-50µm	4.0%-6.0%	<3.0%MD <1.0%TD	0.50µs 0.45µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Retort laminations •High bond strength laminations
F-ATT/U	Modified Acrylic Coat	10µm-50µm	4.0%-5.0%	<3.0%MD <1.0%TD	0.50µs 0.45µd	<i>T-Corona Optional</i> <i>U-Untreated</i>	<ul style="list-style-type: none"> •Aqueous inks and coatings •Higher dyne value than F-AU
F-DSC	2 Side Primer Coated	10µm-50µm	2.0%-3.5%	<3.0%MD <1.0%TD	0.35µs 0.30µd	Acrylic Coated Copolyester Coated	<ul style="list-style-type: none"> •Double laminations •High bond strength
F-EXC	Direct Extrusion Coatable	12µm-50µm	4.0%-5.5%	<3.0%MD <1.0%TD	0.45µs 0.40µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Base film for PE extrusion •No need for in-line priming
F-ESB	High COF Film	12µm	<1.5%	<3.0%MD <1.0%TD	>0.80µs	Acrylic coating opposite high COF	<ul style="list-style-type: none"> •Outer web for structures requiring a very high COF
F-ESC	Controlled Slip Film	12µm	<1.5%	<3.0%MD <1.0%TD	0.80µs 0.45µd	Acrylic coating opposite high COF	<ul style="list-style-type: none"> •Outer web for structures requiring a very high COF
F-MTG	Commodity METPET	10µm-50µm	2.2-2.8 OD	<3.0%MD <1.0%TD	0.50µs 0.45µd	<i>Corona Optional</i> <i>Typical is PZ</i>	<ul style="list-style-type: none"> •Commodity Barrier Web •Commodity board laminations
F-CHE/M	Higher Bond METPET	10µm-50µm	2.2-2.8 OD	<3.0%MD <1.0%TD	0.50µs 0.45µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •High metal adhesion •Stand-up pouch
F-UPF/M	Higher Bond METPET	10µm-50µm	2.2-2.8 OD	<3.0%MD <1.0%TD	0.50µs 0.45µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •High metal adhesion •Wet foods packaging

Specialty Products Quick Reference

Grade	Type of Film	Thickness	Haze	Shrinkage	COF	Pretreatments	Typical Applications
F-TFP	Nylon Like PET Film	12µm-36µm	3.0%	<5.0%MD <3.5%TD	0.45µs 0.40µd	Corona Treated	<ul style="list-style-type: none"> •Burst strength •Puncture resistance
F-ETF	Easy Tear PET	12µm	3.0%	<5.0%MD <3.5%TD	0.045µs 0.40µd	Corona Treated	<ul style="list-style-type: none"> •Improved tear in laminations
F-XLR (Not Solar Grade)	Super Clear Film	12µm-36µm	1.1%	<3.0%MD <1.0%TD	0.70µs 0.45µd	Acrylic Coating	<ul style="list-style-type: none"> •Over lamination film •Durable label stock
F-PCR⁺	GREEN FILM	12µm-50µm	<3.5%	<3.0%MD <1.0%TD	0.45µs 0.40µd	Corona Treated Various coatings possible	<ul style="list-style-type: none"> •Made with 30% RPET •Higher RPET content offered
F-STF	Soft Touch	14µm	90%	<3.0%MD <1.0%TD	0.90µs 0.75µd	Corona Treated	<ul style="list-style-type: none"> •Over lamination film •Outer web in lamination
F-HSP/U1 (U1 with coating)	Heat-sealable PET	12µm-50µm	3.5%	<3.0%MD <1.0%TD	0.45µs 0.40µd	Corona Treated	<ul style="list-style-type: none"> •Ovenable sealant film •Seals tear when opened
F-CSP	Tack-sealable PET	12µm-50µm	3.5%	<3.0%MD <1.0%TD	0.45µs 0.40µd	Corona Treated	<ul style="list-style-type: none"> •Ovenable sealant film •Tack applications for pouching
F-PAM	Mining Bolt film	36µm-50µm	6.5%-7.0%	<1.5%MD <1.5%TD	0.45µs 0.40µd	Both Sides Untreated	<ul style="list-style-type: none"> •Mining bolt applications
F-ISB	Medical Grade Forming PET	36µm-50µm	8.0%-9.0%	<5.0%MD <3.5%TD	0.45µs 0.40µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Cold-formed blister packaging •DMF granted
F-IST	Isotropic PET	12µm-36µm	4.0%-5.0%	3.0%MD 1.0%TD	0.505s 0.50µd	Corona Treated	<ul style="list-style-type: none"> •Lidding base film
F-PAP_BD	Biodegradation Film	12µm	4.0%	<3.0%MD <1.0%TD	0.50µs 0.45µd	Corona Treated	<ul style="list-style-type: none"> •Biodegradable and green packaging applications
F-HMB	Ultrahigh Metal Adhesion	12µm-50µm	2.5OD	<3.0%MD <1.0%TD ⁺	0.50µs 0.45µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Stand-up pouch •Tape and graphic
F-HBP	High Barrier PET	12µm	3.0OD	<3.0%MD <1.0%TD	0.50µs 0.45µd	Acrylic Coating	<ul style="list-style-type: none"> •Foil replacement •Coffee and snacks
F-TBF	High Yield Barrier Film	7µm-9µm	2.8OD	<3.0%MD <1.0%TD	0.50µs 0.45µd	Acrylic Coating	<ul style="list-style-type: none"> •Balloon Manufacturing (F-PAB) •High yield barrier web
F-UHB (Development)	Ultrahigh Barrier PET	12µm-50µm	2.5OD	<3.0%MD <1.0%TD	0.50µs 0.45µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Foil replacement •High shelf-life uses
F-PLX	AlOx Medium Barrier Film	12µm-50µm	Clear	<3.0%MD <1.0%TD	0.50µs 0.45µd	<i>Corona Optional</i>	<ul style="list-style-type: none"> •Clear barrier uses •Stand-up pouch
F-PGX	AlOx High barrier Film	12.5µm-23.5µm	Clear	<3.0%MD <1.0%TD	0.50µs 0.45µd	Acrylic Coating Opposite AlOx	<ul style="list-style-type: none"> •Clear barrier uses •Highest Barrier

