

Asclepius Products Quick Reference Guide

Grade	Type of Film	PCR Resin Content	Thickness	Haze	Shrinkage	COF	Pretreatments	Typical Applications
F-PCR	Plain PET	90%	12µm-50µm	<3.5%	<3.0%MD <1.0%TD	0.45µs 0.40µd	Corona Treated	<ul style="list-style-type: none"> •Printing •Lamination Structures
F-CHR/E	Copolyester Coated	90%	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-UPR	Polyurethane Coated	90%	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-SLR	Silicone coat-able base film	90%	12µm-50µm	<3.5%	<3.0%MD <1.0%TD	0.45µs 0.40µd	Corona Treated	<ul style="list-style-type: none"> •Label and Tape release liner base film
F-ESR	High COF Film	90%	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-CSR	Tack-sealable PET	70-90%	10µm-15µm	4.0%	<3.0%MD <1.0%TD	0.50µs 0.50µd	Corona Treated	<ul style="list-style-type: none"> •High-bond liquid packaging •Tack applications for pouching
F-ISR	Isotropic PET	90%	12µm-36µm	4.0%-5.0%	3.0%MD 1.0%TD	0.50µs 0.50µd	Corona Treated	<ul style="list-style-type: none"> •Lidding base film
F-PAP_BD	Biodegradation Film	0-90%	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-CHR/M	High Metal Adhesion	90%	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-PCR/M	Barrier PET	90%	12µm-50µm	2.2OD	<3.0%MD <1.0%TD	0.50µs 0.45µd	Corona Treated	<ul style="list-style-type: none"> •Inner web •Coffee and snacks
F-PGR*	AlOx High barrier Film	90%	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

* Developmental

BOPET films with high PCR content have a low carbon footprint. These materials represent a cost effective way to achieve aggressive sustainability goals for Brand-owners.

Film Resin Source	1# of film produced	1# of film produced
	CO ₂ Generated	Kw Electricity Needed
Virgin PET	2.8	10.2
50% PCR Container Resin 50% Virgin	1.8	6.4
90% PCR Container Resin 10% Virgin	1.0	3.3

