

# THE PLATINUM PACKAGING GROUP

## PLATSEAL Film

### Sealing Curves For Peelable HSPET 6 Film

The PLATSEAL family consists of polyester films with lock seal and sealable easy open, which means that they can seal to themselves or to other substrates. In this document, sealing force data versus different temperatures of our PLATSEAL Peelable (EASY OPEN) films obtained through our laboratory analysis will be exhibited and can be used as a reference for sealing tests.

#### SEALING STRENGTH

The sealing strength of PLATSEAL films will depend on several factors.



Time



Temperature



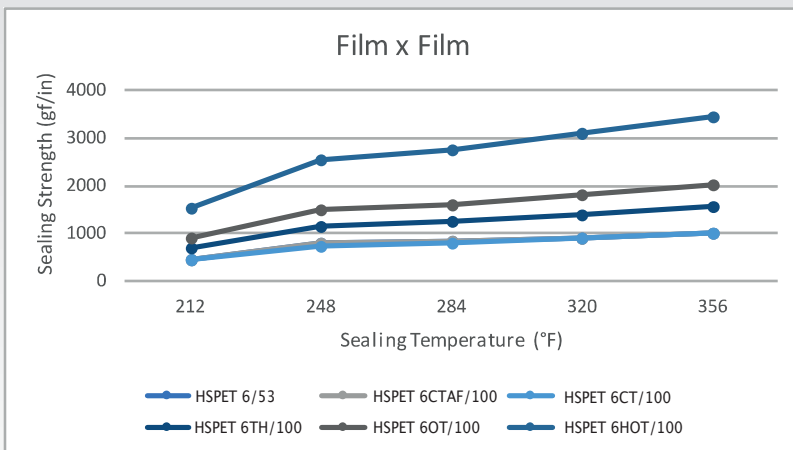
Pressure

The combination of these factors, as well as the stability of the filling machine, type of product and contamination in the sealing area, will influence the performance of the film under the substrate.

#### SEALING CURVES

The sealing curves below represent some comparisons between our PLATSEAL films sealed against themselves and sealed to different substrates. Time Temperature Pressure 10.63 PLATSEAL films are suitable for sealing on to the following substrates: APET, monoCPET, APET/CPET, modified CPET, PETG, rPET, PVC, coated PET coating, PC and PLA.

PLATSEAL films are suitable for sealing onto substrates: APET, monoCPET, APET/CPET, modified CPET, PETG, rPET, PVC, PET coated paperboard trays, PC and PLA.



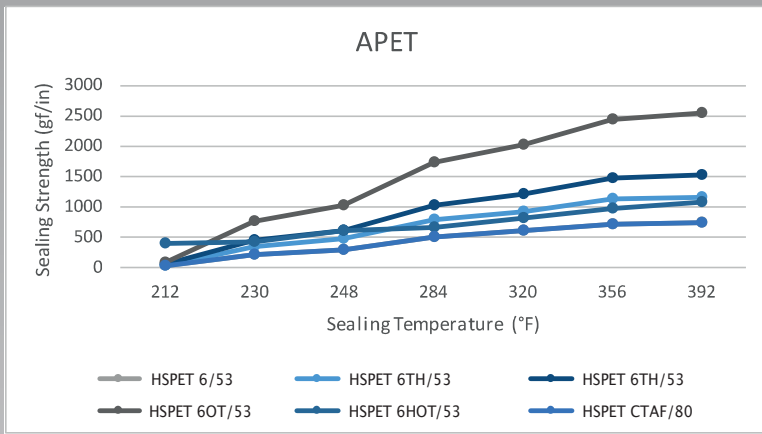
**PLATSEAL films can be chosen according to the required sealing:**

- HSPET 6
- HSPET 6CTAF
- HSPET 6CT
- HSPET 6TH
- HSPET 6OT
- HSPET 6HOT

Greater Sealing Strength ↑

Sealing Temperature (°F)	Sealing strength (gf/in)					
	PLATSEAL					
	HSPET 6/100	HSPET 6CTAF/100	HSPET 6CT/100	HSPET 6TH/100	HSPET 6OT/100	HSPET 6HOT/100
212	450	450	450	702	913	1551
248	815	815	740	1154	1501	2551
284	850	850	800	1248	1622	2758
320	900	900	900	1404	1825	3103
356	1000	1000	1000	1560	2028	3448

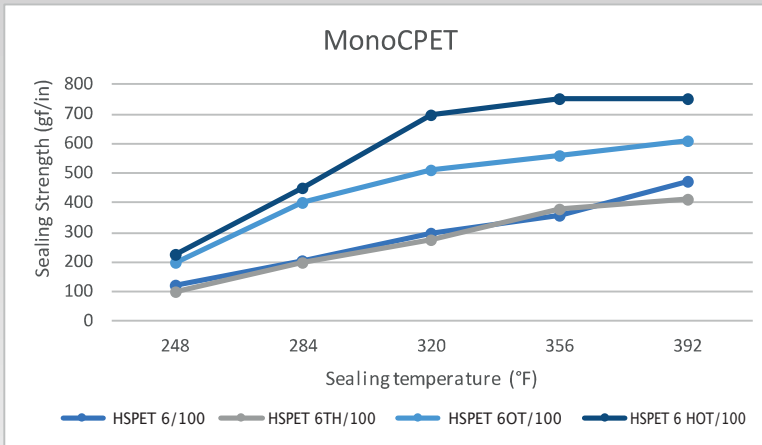
**Note:** Tests performed in 1s (time) - 200kPa or 2 bar (pressure)



**APET is commonly used for products that require transparency such as fruits, vegetables, salads and others. Check the sealing strength of our films on this substrate.**

Sealing Temperature (°F)	Sealing strength (gf/in)					
	PLATSEAL					
	HSPET 6/53	HSPET 6TH/53	HSPET 6TH/53	HSPET 6OT/53	HSPET 6 HOT/53	HSPET CTAF/80
212	25	25	39	51	85	400
230	225	225	351	456	762	440
248	300	300	468	608	1016	600
284	508	508	793	1031	1721	650
320	598	598	932	1212	2024	830
356	720	720	1123	1460	2438	980
392	750	750	1170	1521	2540	1088

**Note:** Tests performed in 1s (time) - 200kPa or 2 bar (pressure)



**CPET is normally used for products that require heating in a conventional oven or microwave. PLATSEAL films can also be heated up to 210°C without sticking to the food.**

Sealing Temperature (°F)	Sealing strength (gf/in)			
	PLATSEAL			
	HSPET 6/100	HSPET 6TH/100	HSPET 6OT/100	HSPET 6 HOT/100
248	122	100	200	225
284	206	200	400	450
320	300	275	514	700
356	360	380	560	750
392	475	415	610	750

**Note:** Tests performed in 1s (time) - 200kPa or 2 bar (pressure)

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**FOR MORE INFORMATION:**

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