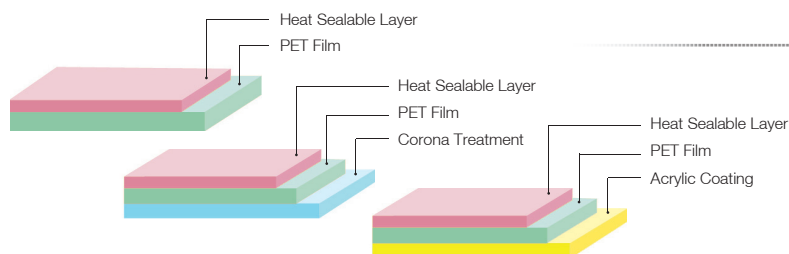


PETLAR HS is a Biaxially Oriented Transparent Polyester Film with heat seal layer (co-extruded with specialty polymer) on one side. The modified surface provides excellent sealing to itself as well as other substrates such as A-PET, C-PET, PVDC and PVC but does not seal against PE, PS & PP. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR HS grade conforms to EC 10/2011 directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 10 to 30 micron (40 - 120 Gauge).



APPLICATIONS

- Single substrate sealing applications
- Products requiring high aroma barrier like *mosquito mats, perfumed tissues, etc*
- Sealing cap liner for PET jars
- See-through lid for preformed PET trays
- Micro ovenable pouches

Properties	Unit	Test Method	Product Code			
			HS0120	HS0200	HS0250	HS0300
GENERAL						
Nominal Thickness	Micron	SRF Method	12	20	25	30
	Gauge		48	80	100	120
Yield	m ² /kg	SRF Method	60	36	28	23
	in ² /lb		41400	24800	19300	15800
MECHANICAL						
Tensile Strength (min)		ASTM D 882				
MD	kg/cm ²		1800	1750	1750	1700
	kpsi		26	25.5	25.5	25
TD	kg/cm ²		1900	1850	1850	1800
	kpsi		27	26.5	26.5	26
Elongation at Break (min)		ASTM D 882				
MD	%		100	100	110	110
			90	90	100	100
SURFACE						
Coefficient of Friction		ASTM D 1894				
Static	-		0.55	0.55	0.55	0.55
Dynamic	-		0.50	0.50	0.50	0.50
Surface Energy		ASTM D 2578				
HS Side/Plain Side	Dyne/cm		44	44	44	44
Corona Side			52+	52+	52+	52+
Acrylic Side			42	42	42	42
THERMAL						
Shrinkage (150°C, 30 min)		ASTM D 1204				
MD	%		2.20	2.20	2.20	2.20
			0.40	0.40	0.40	0.40
OPTICAL						
Haze	%	ASTM D 1003	3.5	3.5	4.0	4.5
Transmittance			90	90	90	90
BARRIER						
WVTR (38°C & 90% RH) Max	gm/m ² /day	ASTM F 1249	< 40	<35	< 25	<20
	gm/100in ² /day		<2.5	<2.2	<1.6	<1.3
OTR (23°C & 0% RH) Max	cc/m ² /day	ASTM D 3985	< 100	<95	< 70	<60
	cc/100in ² /day		<6.3	<6.0	<4.4	<3.8
HEAT SEAL						
Seal Strength at 120°C/2.8bar/2 Sec (Seal to seal surface)	gm/25mm	SRF Method	400	500	550	600

- Notes:
- 1) Heat Sealable side is available wound inside/outside of the roll - customer to specify accordingly.
 - 2) Above properties can be modified to suit customer's requirement.
 - 3) Unless otherwise stated the above values are nominal.

DISCLAIMER

The information given above is to the best of our knowledge and experience. Some of the properties can be changed as a result of supplier's effort to improve upon the quality of production efficiency of the subject. The information is believed to be the true and accurate and is not intended to violate any statutory condition or right of third party. SRF makes no warranty, express or implied, as to the fitness of the product for any specific use or purpose. The above data is purely for the readers' consideration, investigation and verification and should be read in conjunction with the conditions for sale or contract.