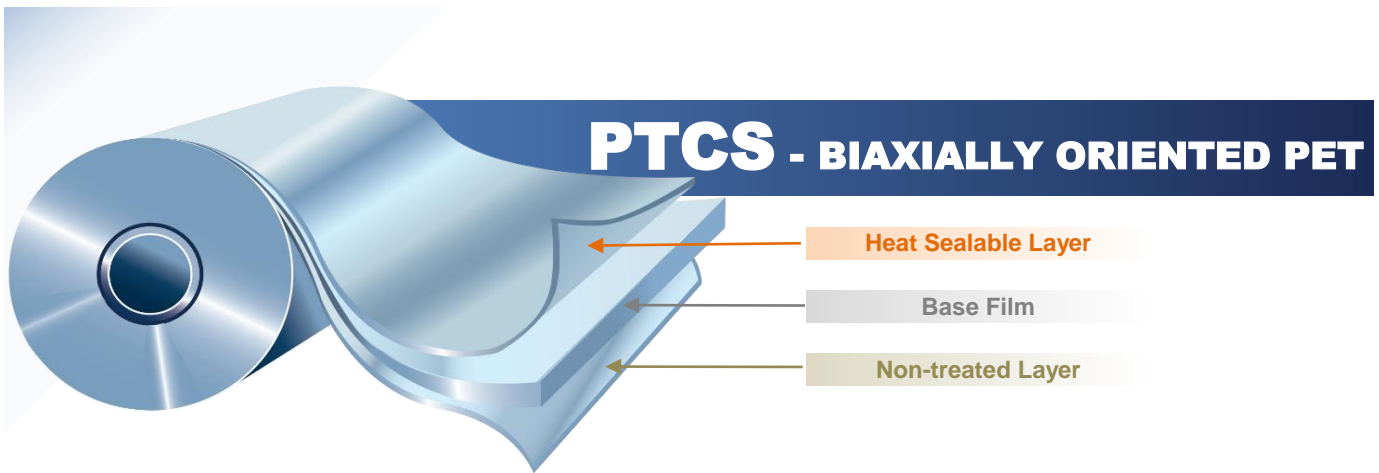


# PTCS - BIAXIALLY ORIENTED PET



PRODUCT FEATURES	PROPERTIES	TEST METHOD	UNITS	TYPICAL VALUES					
<ul style="list-style-type: none"> <li>Transparent</li> <li>One side heat sealable</li> <li>Other side non treat</li> </ul>	Thickness	Supplier Method	Gauge	48	60	80	92	120	
	Yield	Method	in <sup>2</sup> /lb	41,934	33,550	25,159	21,876	16,768	
	<b>MECHANICAL PROPERTIES</b>								
	Seal Strength	ASTM D882	gf/in	406	508	610	711	813	
<b>CHARACTERISTICS</b>	Tensile Strength	ASTM D882	psi MD	24,200			27,000		
			psi TD	27,000			28,500		
<ul style="list-style-type: none"> <li>High Clarity</li> </ul>	<b>THERMAL PROPERTIES</b>								
	Heat Seal Range	Supplier Method	°F	230 - 392			248 - 392		
	Heat Shrinkage (320 minutes at 302°F)	ASTM D1204	%MD	3.0					
			%TD	1.0					
<b>SURFACE PROPERTIES</b>									
<b>APPLICATIONS</b>	Surface Tension	ASTM D2578	Dynes	52					
	Coefficient of Friction	ASTM D1894		0.50					
<ul style="list-style-type: none"> <li>Film can be sealed to itself, APET, CPET, PVDC, and PVC; Does not seal to PE, PP</li> <li>Tack seal application</li> <li>Food tray sealing</li> </ul>	<b>OPTICAL PROPERTIES</b>								
	Haze (max)	ASTM D1003	%	4.5	4.5	4.5	5.0	5.5	
	<b>BARRIER PROPERTIES</b>								
	WVTR (38°C/90%RH) (max)	ASTM 1249	g/100in <sup>2</sup> /24hr	2.90	2.60	2.30	2.00	1.60	
	OTR (38°C/90%RH) (max)	ASTM D3985	g/100in <sup>2</sup> /24hr	8.50	7.10	5.80	5.20	4.80	
<i>Note: MD - Machine Direction, TD - Transverse Direction</i>									

#### FOOD CONTACT

PennPac complies with FDA Regulations for food contact. Specific documents are available upon request.

#### STORAGE & HANDLING

Recommended storage conditions are room temperature (50 F - 86 F) less than 50% RH, dry, ventilated area not exposed to direct sunlight, liquids, vapors or other heat source(s).

#### DISCLAIMER

The specified values are minimum values unless otherwise indicated. These values do not constitute specific binding specification. Information in this publication is believed to be accurate and is given in good faith but it is for the Customer to satisfy itself of the suitability for its own particular purpose. Accordingly, **PennPac Company** gives no warranty as to the fitness of the product for any particular purpose and any implied warranty (statutory or otherwise) is excluded.



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