



## Normal vs. High Performance POF Shrink Film

PARAMETER	UNIT	ASTM METHOD	TYPICAL VALUE		
			Normal	High Performance	
<b>FILM SPECIFICATIONS</b>					
Length	Meter	-	1332	1332	
Folded width range	Millimeter	-	130-1000	130-1000	
Yield	m <sup>2</sup> /kg	-	71	71	
Core ID	Inches	-	2.95	2.95	
<b>TENSILE</b>					
Tensile Strength at Break (MD)	MPa	D882	114	129	
Tensile Strength at Break (TD)			112	132	
Elongation at Break (MD)	%		79	83	
Elongation at Break (TD)			74	82	
<b>TEAR STRENGTH</b>					
MD	g	D1922	10.5	14.5	
TD			10.2	13.5	
<b>SEAL STRENGTH</b>					
Seal Force @ 130°C	N	F2029	9.5	10	
<b>COF (FILM TO METAL)</b>					
Dynamic	-	D1894	0.11	0.11	
Static	-		0.17	0.12	
<b>OPTICS</b>					
Haze	%	D1003	6.0	5.2	
Clarity		D1746	72.7	76.3	
Gloss		D2457	71.6	78.3	
<b>BARRIER</b>					
Oxygen Transmission Rate	cc/m <sup>2</sup> /day	D3985	11300	11300	
Water Vapor Transmission Rate	gm/m <sup>2</sup> /day	F1249	45.6	45.6	
<b>SHRINKAGE PROPERTIES</b>					
Free Shrinkage	100°C	%	D2732	21	21
	110°C			40	40
	120°C			63	63
	130°C			68	68

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