

HYDROBLOCK[®] P-SERIES HS FILM

HydroBlock[®] P-Series HS film is a polychlorotrifluoroethylene (PCTFE) copolymer film. It has the ability to heat seal to itself utilizing impulse sealing methods.

COMPARISON OF TYPICAL PROPERTIES		P2000HS	P3000HS	P5000HS	P7500HS
Thickness		2 mil	3 mil	5 mil	7.5 mil
Yield		6,647 in ² /lb	4,432 in ² /lb	2,659 in ² /lb	1,773 in ² /lb
Haze		<1%			
Crystalline Melting Point		374°F			
Dimensional Stability 300°F / 10 min.	MD	≤ +10%	≤ +8%	± 3%	± 3%
	TD	≤ -10%	≤ -8%	± 3%	± 3%
Tensile Strength	MD	8,000 - 10,000 psi	8,000 - 10,000 psi	6,000 - 8,000 psi	5,500 - 7,000 psi
	TD	5,000 - 9,000 psi	5,000 - 7,000 psi	4,000 - 6,000 psi	4,000 - 6,000 psi
Elongation	MD	150 - 225%	150 - 225%	150 - 250%	200 - 275%
	TD	200 - 250%	200 - 250%	150 - 250%	200 - 275%
Modulus, Secant	MD	150,000 - 200,000 psi	150,000 - 200,000 psi	150,000 - 200,000 psi	125,000 - 175,000 psi
	TD	150,000 - 200,000 psi	150,000 - 200,000 psi	150,000 - 200,000 psi	125,000 - 175,000 psi
Tear Strength, Graves	MD	1.9 lbf	2.8 lbf	4.1 lbf	6.2 lbf
	TD	1.9 lbf	2.8 lbf	4.1 lbf	6.2 lbf
Water Vapor Transmission Rate 100°F / 100% RH		0.016 gms/100in ² /day	0.010 gms/100in ² /day	0.006 gms/100in ² /day	0.004 gms/100in ² /day

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