

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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