

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

NOTICE: All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated, or that measures may not be required. The values presented in this data sheet are typical values and are not to be interpreted as product specifications.

Honeywell Life Science, Protective,
and Industrial Solutions

115 Tabor Rd
Morris Plains, NJ 07650
800-934-5679



© 2021 Honeywell International Inc.

Honeywell