

# HYDROBLOCK<sup>®</sup> 22A SERIES FILM

HydroBlock<sup>®</sup> 22a I Series film is a polychlorotrifluoroethylene (PCTFE) copolymer, high performance barrier film for industrial and electronics applications. It provides outstanding water vapor barrier and excellent chemical resistance with high clarity.

COMPARISON OF TYPICAL PROPERTIES		22A 1500 I	22A 2000 I	22A 3000 I	22A 5000 I
Thickness		1.5 mil	2 mil	3 mil	5 mil
Yield		8,889 in <sup>2</sup> /lb	6,667 in <sup>2</sup> /lb	4,444 in <sup>2</sup> /lb	2,667 in <sup>2</sup> /lb
Haze		<1%			
Crystalline Melting Point		374°F			
Dimensional Stability 300°F /10 min.	MD	≤+15%	≤+15%	≤+5%	≤+5%
	TD	≤-15%	≤-15%	≤+5%	≤+5%
Tensile Strength	MD	9,500 - 13,000 psi	8,000 - 12,000 psi	6,000 - 8,000 psi	6,000 - 8,000 psi
	TD	6,000 - 8,000 psi	6,000 - 8,000 psi	5,000 - 7,000 psi	5,000 - 7,000 psi
Elongation	MD	125 - 200%	125 - 200%	150 - 225%	150 - 225%
	TD	225 - 300%	225 - 300%	175 - 250%	175 - 250%
Modulus, Secant	MD	150,000 -180,000 psi	150,000 -180,000 psi	150,000 -180,000 psi	150,000 -180,000 psi
	TD	150,000 -180,000 psi	150,000 -180,000 psi	150,000 -180,000 psi	150,000 -180,000 psi
Tear Strength, Graves	MD	1.4 lbf	1.9 lbf	2.8 lbf	4.7 lbf
	TD	1.4 lbf	1.9 lbf	2.8 lbf	4.7 lbf
Water Vapor Transmission Rate 100°F / 100% RH		0.020 gms/100in <sup>2</sup> /day	0.016 gms/100in <sup>2</sup> /day	0.010 gms/100in <sup>2</sup> /day	0.006 gms/100in <sup>2</sup> /day

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**Honeywell Life Science, Protective,  
and Industrial Solutions**

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



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