

HYDROBLOCK® 22A SERIES FILM

HydroBlock® 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 ² /lb	6,667 in ² /lb	4,444 in ² /lb	2,667 in ² /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 ² /day	0.016 gms/100in ² /day	0.010 gms/100in ² /day	0.006 gms/100in ² /day



All statements and information provided herein are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, express or implied. Statements regarding possible uses of our products are provided for informational purposes only and do not constitute a representation or warranty. Users remain responsible for evaluating all safety and environmental considerations. Any descriptions of future products, intended updates, or improved features or functions do not constitute a commitment by Solstice to develop, sell, or release such products, updates, features, or functions, as such decisions remain in our sole discretion. © 2026 Solstice Advanced Materials US, Inc.



For More Information Visit
solstice.com

Solstice Advanced Materials Inc.
115 Tabor Rd. | Morris Plains, NJ 07950



© 2026 Solstice Advanced Materials US, Inc.
7120004-esm-tds-hydroblock-22a-ltr-en | SOLS | 07/26