

## HydroBlock™ 7500

### Preliminary Data Sheet

**Description** Effective Date 9/16/11

HydroBlock™ 7500 is a 7.5 mil (191 micron) PCTFE homopolymer high performance clear barrier film for industrial markets. It offers the best moisture barrier of any clear film. It can be thermoformed, vacuum formed, coated with heat seal adhesives or laminated to a variety of materials.

Properties of 7.5 mil (191μ) film at 73°F- 50% RH	Typical Value		Test Method
	English	Metric	
Specific Gravity	2.11		ASTM D1505
Yield	1,750 in <sup>2</sup> /lb.	2.49 m <sup>2</sup> /kg	
Haze	< 3 %		ASTM D1003
Crystalline Melting Point	412°F	211°C	ASTM D4591
Dimensional Stability -MD (10 mins. @ 300°F / 149°C) -TD	≤ + 3% ≤ - 3%		ASTM D1204
Tensile Strength - MD - TD	3,800 – 5,000 psi 3,200 – 4,600 psi	26 – 34 MPa 22 – 32 MPa	ASTM D882
Elongation - MD - TD	100 – 150 % 75 – 125 %		ASTM D882
Modulus, secant - MD - TD	180,000 – 200,000 psi 170,000 – 210,000 psi	1241 – 1379 MPa 1172 – 1448 MPa	ASTM D882
Tear Strength, Graves - MD - TD	450 – 550 gms/mil 450 – 550 gms/mil		ASTM D1004
Water Vapor Transmission Rate @ 100°F (37.8°C) /100% RH	gms/100in <sup>2</sup> /day 0.0022	gms/m <sup>2</sup> /day 0.034	ASTM F1249

### Order & Sales Information

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**The values presented in this data sheet are typical values and are not to be interpreted as product specifications.**