

# OxyShield® OMB 1200 Biaxially Oriented Nylon 6 Film

## Description

**OxyShield® OMB 1200** is a 0.47 mil (12 micron) biaxially oriented nylon 6 film with Corona treatment on the outside of the reel. EVOH is incorporated in the core layer to provide additional barrier to oxygen. OxyShield® OMB 1200 features a superior balance of properties, including high barrier to both oxygen and aromas, excellent toughness and puncture resistance under both high and low temperatures, exceptional flex crack resistance and optics. OxyShield® OMB 1200 is particularly recommended for packaging requiring high oxygen barrier OTR <5 cc/m<sup>2</sup>/24 hours, such as 'doy pack' for mayonnaises, containers for seafood, dairy products, processed meats and pastas.

Properties		Typical Value		Test Method
		English	Metric	
Average Thickness	Target	0.47 mil	12 micron	AdvanSix Method
Basis Weight		8.56 lbs/ream	14.0 g/m <sup>2</sup>	AdvanSix Method
Yield		50,500 sq. in/lb	71.8 m <sup>2</sup> /kg	AdvanSix Method
Tensile Strength @ Break	MD	34,800 psi	240 MPa	ASTM D-882
	TD	45,000 psi	310 MPa	
Elongation @ Break	MD	110%		ASTM D-882
	TD	80%		
Elastic Modulus	MD	503,000 psi	3,470 MPa	ASTM D-882
	TD	424,000 psi	2,920 MPa	
Dimensional Stability	MD	1.5%		
	TD	1.5%		
Haze		3.5%		ASTM D-1003
Surface Tension	Treated Side	58 dynes/cm		ASTM D-2578
Coefficient of Friction, Kinetic	In/In	0.40		ASTM D-1894
	Out/Out	0.45		
Oxygen Transmission Rate @ 71.6°F/0% RH, 22°C/0% RH		0.3 cc/100 in <sup>2</sup> .day	4.7 cc/m <sup>2</sup> .day	ASTM D-3985

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

### Contact AdvanSix

To learn more about the benefits of OxyShield® films, visit [AdvanSix.com](http://AdvanSix.com) or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-526-1800** (international)

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