

# OxyShield® OEB 1500 Biaxially Oriented Nylon 6 Film

## Description

OxyShield® OEB 1500 is a 0.59 mil (15 micron) biaxially oriented nylon 6 film with corona treatment on the outside of the reel. EVOH is incorporated in the core layer to provide extra barrier to oxygen. OxyShield® OEB 1500 features a superior balance of properties, including very 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® OEB 1500 is particularly recommended for packaging requiring very high oxygen barrier OTR <2 cc/m<sup>2</sup>/24 hours, such as dairy products and meats in modified atmosphere packages.

Properties		Typical Value		Test Method
		English	Metric	
Average Thickness	Target	0.59 mil	15 micron	AdvanSix Method
Basis Weight		10.74 lbs/ream	17.5 g/m <sup>2</sup>	AdvanSix Method
Yield		40,400 sq. in/lb	57.5 m <sup>2</sup> /kg	AdvanSix Method
Tensile Strength @ Break	MD	34,800 psi	240 MPa	ASTM D-882
	TD	40,600 psi	280 MPa	
Elongation @ Break	MD	130%		ASTM D-882
	TD	100%		
Elastic Modulus	MD	424,000 psi	2,920 MPa	ASTM D-882
	TD	355,000 psi	2,450 MPa	
Dimensional Stability	MD	1.5%		
	TD	1.5%		
Haze		3.0%		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		0.08 cc/100 in <sup>2</sup> .day	1.2 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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