



3208 Dixie Highway  
 Erlanger, Kentucky 41018 USA  
 TEL:(859) 578-7400  
 FAX:(859) 578-7404  
[www.willowridgeplastics.com](http://www.willowridgeplastics.com)

## BDA

### DESCRIPTION

BDA is a non starch based degradable additive for use in polyethylene and polypropylene resins. It can be used in blown film, injection molding, blow molding, and other resin conversion processes where a silvery or white color product is required. It contains low levels of prodegradants and pro oxidants, and is useful in applications such as compost and retail bags, blow molded bottles and other conventional applications.

### NOMINAL BDA PROPERTIES

PROPERTY	UNITS	TEST METHOD	VALUE
Melt Index	gm/ 10 min	D 1238	10
Density	gm/ cm <sup>3</sup>	D 792	1.14
Percent Starch	wt. #	TGA	NA
Moisture Content	wt. #	WRP test	Volatiles <0.5

### NOMINAL BLOWN FILM PROPERTIES

PROPERTY	UNITS	TEST METHOD	VALUE
Tensile Strength	psi	D 882	2900
Elongation	%	D 822	800
Dar Drop Impact	gm	D 1065	97
Tear Resistance	gm	D 1922	109
Embrittlement Time	days	Thermal Aging	>50

Note: Results are for 2% BDA in LLDPE, at a film thickness of 1.4 mil. Unless specified, test are made in accordance with ASTM Standard Testing Methods. Nominal Properties will vary based on raw materials used.