



## DuraClear™ 2000 Biodegradable Enhanced Linear Low Density Polyethylene (EDC2)

Biodegradable DuraClear 2000 (EDC2) is a strong, durable material that is ideal for multiple applications, offering a cost-effective and reliable alternative to other biodegradable film products.

EDC2 contains a proprietary additive that causes biodegradation of the poly in nine months to five years, depending on exposure conditions. Material performance properties and bag shelf life remain in tact, as biodegradation only occurs when in contact with other biodegrading material, such as the conditions found in landfills, home and commercial composting. EDC2 bags biodegrade in both aerobic (with the presence of free oxygen) and anaerobic (without the presence of free oxygen) conditions. EDC2 material is also completely recyclable and ecologically safe.

Genuine Autobag® bags-on-a-roll and SidePouch® bags-in-a-box are system-matched and guaranteed to run on all Automated Packaging Systems' bagging equipment.

### User Benefits

- Fully Biodegradable
- Recyclable and Ecologically Safe
- Good Clarity & Strength
- Optional Green Tint for End-User Awareness

### Typical Applications

- Automotive
- Medical
- Food
- Retail
- Crafts

MIL

1.09

1.32

1.54

2.0

2.8

### Technical Specifications

**Compliances:** FDA 21 CFR 177.1350  
 FDA 21 CFR 177.1520  
 MIL-DTL-117H TYPE III Class B (MT only)

**Press Printing:** Yes

**Imprinting:** Yes

**Trim Seal:** Yes

**Mil Thickness:** 1.09, 1.32, 1.54, 2.0, 2.8, 3.9

**Configuration:** Autobag; and SidePouch with restrictions

Performance Data:	U/M	1.09/ UL	1.32/ LD	1.54/ SD	2.0/ ET	2.8/ ST	3.9/ MT	ASTM
Haze	%	10.1	10.4	10.7	14.2	18.2	18.9	D-1003
Puncture Resistance (Dart)	grams	195	210	233	310	395	540	D-1709
Tensile Strength MD	psi	4960	4669	4631	4332	4303	4179	D-882A
Tensile Strength TD	psi	3744	3731	3700	3664	3554	3479	D-882A
Elongation MD	%	507	536	540	545	613	723	D-882A
Elongation TD	%	611	619	634	655	674	731	D-882A
Elmendorf Tear MD	grams	269	315	374	585	988	1508	D-1922
Elmendorf Tear TD	grams	865	926	939	1162	1418	2094	D-1922
OTR	cc/100in <sup>2</sup> /day	389	349	324	224	172	110	D-3985
MVTR	g/100in <sup>2</sup> /day	.719	.70	.616	.443	.326	.214	F-1249

EDC2

EWDC

ECWD

EGDC

00095687 007



Above chart reflects nominal test data values. Actual results may fluctuate due to inherent process variation. Test data and mil thickness reflect EDC2 material only. Certain minimum purchase volumes may apply. The additive used in EDC2 has been tested by independent laboratories in accordance with standard test methods approved by ASTM, ISO, and other such standardization bodies, and has been approved for marketing as biodegradable and safe for the environment. This product does not meet ASTM D640004, which is specifically for the labeling of plastics designed to be composted in municipal and industrial aerobic composting facilities.

machines

materials

service

s y s t e m s a d v a n t a g e