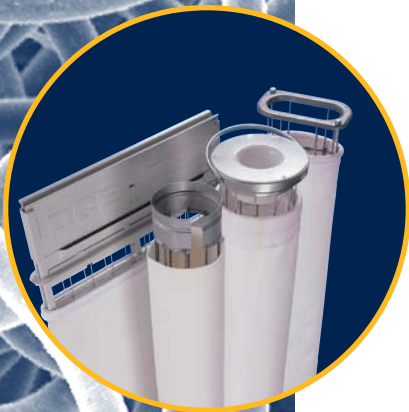


**Introducing  
the ***BIGGEST***  
advancement  
in baghouse  
technology  
ever!**



**Lasts  
2 to 3  
times  
longer**

## Dura-Life™ Bags

- Breakthrough technology only from Donaldson® Torit®
- Winner of 2002 Media of the Year Award—*Filtration + Separation*
- Winner of 2003 Vaaler Award, Filtration & Separation Category—*Chemical Processing*
- Dura-Life bags\* last 2-3 times longer than standard 16 oz. polyester bags
- Dura-Life bags are standard on all Donaldson Torit baghouses
- Dura-Life bags are available as replacement for all brands of baghouse collectors



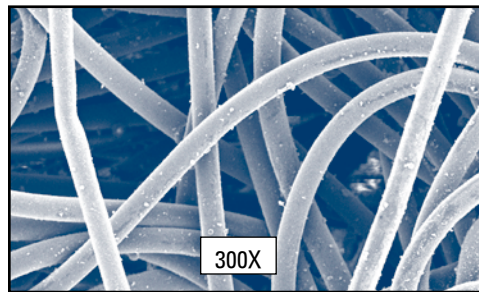
\*Made with Durapex™ filter media from Polymer Group, Inc.

# The Proven Performance of Dura-Life™

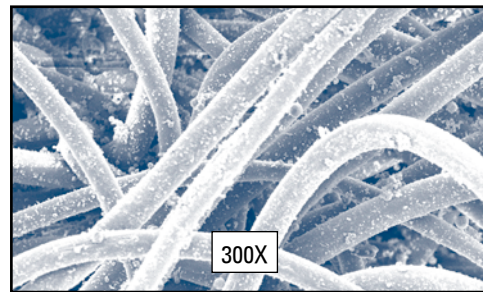
**Dura-Life — A breakthrough for bag users.** Polyester bags are woven with a needling process that creates larger pores where dust can embed into the fabric, inhibiting cleaning and reducing bag life. Dura-Life bags are engineered with a unique hydroentanglement process that uses water to blend the fibers, resulting in:

- More uniform material with smaller pore size
- Better surface loading of dust that prevents penetration deep into media
- Improved pulse cleaning and lower pressure drop
- Bags with longer life and greater value

**Dura-Life Bag-Clean Air Side**



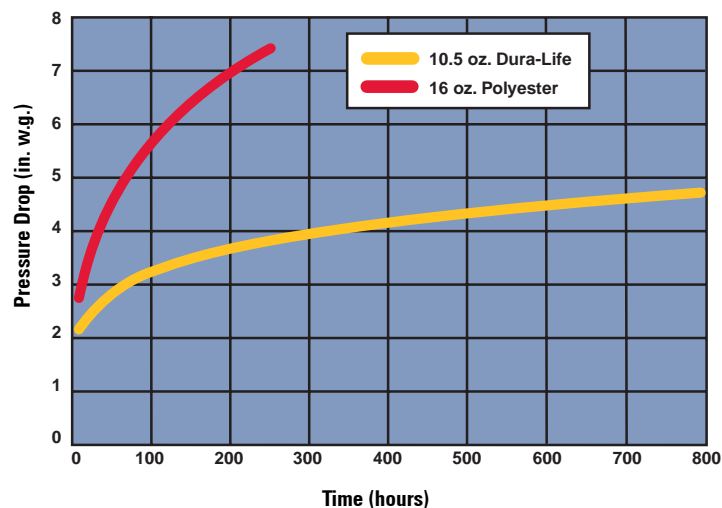
**Polyester Bag-Clean Air Side**



*These photos were taken with a scanning electron microscope of bag media within a collector that was filtering fly ash. The bags were removed after 2,700 hours of use. Air-to-media ratio was 4.5 to 1. Pressure drop was 6 in. on polyester bags and 2 in. on Dura-Life.*

**Dura-Life bags last 2-3 times longer than standard polyester.** Pressure drop increases at a faster rate with polyester bags due to dust embedding in the media, shortening bag life and forcing more frequent bag changes. Dura-Life bags, with surface loading of dust, better pulse cleaning and a lower pressure drop, perform far longer than polyester bags.

**Better Surface Loading Results in Longer Bag Life**



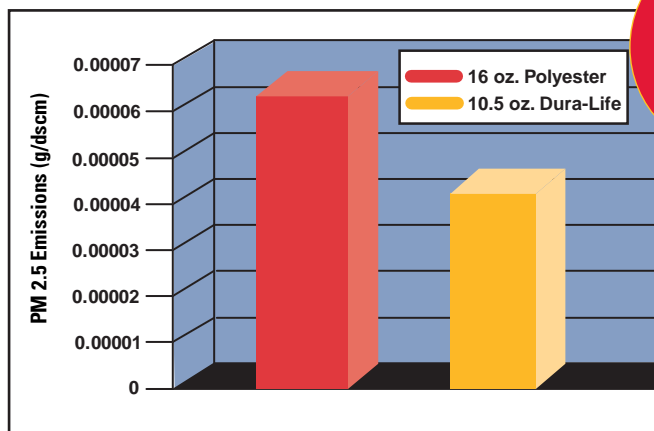
*These results were derived in accelerated lab tests, which correlate to field tests results, showing that Dura-Life will provide 2-3 times more life than standard 16 oz. polyester bags in most applications.*



# Dura-Life™ Improves the Bottom Line

**Dura-Life clears the air better.** Durapex media used in Dura-Life bags has been shown to produce lower emissions than the 16 oz. polyester material used in most standard bags. Dura-Life's Durapex media is more efficient at capturing dust, even 2.5 micron or smaller particles, reducing the amount of dust that escapes into the air. This helps to keep the workplace and environment cleaner. Dura-Life's Durapex media has been tested and received EPA PM 2.5 performance verification from the Environmental Technology Verification (ETV) Program via ASTM D 6830-02.

**Dura-Life Media Provides Lower Emissions than Standard Polyester**



Dura-Life provides  
**30%**  
fewer  
emissions



*These flat sheet results are based on independent lab tests using ASTM D 6830-02 per EPA PM 2.5 performance verification from the Environmental Technology Verification (ETV) Program comparing Durapex media from PGI vs. standard 16 oz. polyester.*

**Dura-Life bags are the clear choice for savings.** With Dura-Life, there are fewer bag changes, resulting in labor and replacement bag savings and less production downtime. Unique Dura-Life technology traps dust on the surface of the bag, allowing dust to be easily pulsed off during cleaning resulting in lower pressure drop and annual energy savings.

**Labor and Bag Cost Savings Due to Fewer Bag Changes**

Number of Dura-Life Bags	Maintenance & Bag Cost Savings
484	\$3,328
376	\$2,585
276	\$1,898
232	\$1,595
156	\$1,073
124	\$853
72	\$495

Labor and Bag Cost Savings of  
**\$3,328**  
or more per Dura-Life change-out

*These calculations are based on the following assumptions: standard polyester bags are replaced annually, Dura-life bags provide twice the life of standard polyester bags, time-and-a-half labor rate equals \$45/hr. including benefits, and a three-person crew can replace 40 bags/hr. Labor and bag cost savings can further increase with larger collectors.*

Annual Energy Savings of  
**\$5,148**  
or more

**Annual Energy Savings Due to Reduced Pressure Drop**

	Standard Polyester Bags	Dura-Life Bags
Filter Bags	484	484
Operating Delta P	5"	3"
ACFM	57,000	57,000
Motor	125 HP	125 HP
Break HP	55.4	33.2
Annual Energy Use	\$12,848	\$7,709

*This is one example; energy savings can further increase with larger collectors. These energy savings are calculated based on the following assumptions: Baghouse collector runs 2 shifts per day, 5 days a week (4,000 hours per year) and energy costs are 7 cents per kilowatt hour.*

# Make a Change to the Better

**DURA-LIFE™**  
Twice The Life Filter Bags

**Outlasts,  
Outperforms  
& Outvalues**

*Can't think of a good reason to change your brand of bags? Donaldson Torit just provided the reason — Dura-Life bags that outlast, outperform and outvalue standard polyester.*

- **Advanced hydroentanglement technology extends bag life**
- **Maintenance costs are reduced with longer bag life**
- **Energy savings result from lower pressure drop**
- **Smaller particles are captured with greater efficiency**
- **Lower emissions help provide a cleaner workplace and environment**



**Donaldson.**  
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