



## Dura-Life™ Filter Bags Maintain Low Pressure Drop on Sticky Sorbitol

**INDUSTRY:** Candy Making

**PROBLEM:** Short filter life—filter bags that plugged up with fine-grained & sticky sorbitol.

**SOLUTION:** Dura-Life filter bags installed in a Donaldson® Torit® Dalamatic® dust collector.



*Widely used in candy, toothpaste, cosmetics, pharmaceutical and other compounds, powder-fine sorbitol can clog conventional filter bags. At this candy making facility, Dura-Life filter bags in a Donaldson Torit Dalamatic Baghouse Collector provided longer filter life and lower pressure drop compared to the original dust collector equipped with conventional bags.*

Sorbitol is a sweetener—but using it in manufacturing is not always a sweet operation! At one major candy producer in Canada, this fine, powdery substance became sticky due to operating conditions, clogging the conventional filter bags in the dust collector and causing unacceptably high pressure drop.

The solution was a new Donaldson® Torit® Dalamatic® dust collector equipped with Dura-Life™ filter bags.

Made with a unique hydroentanglement process, Dura-Life filter bags provide higher airflow capacity *and* higher filtration efficiency—even in challenging operating conditions. The results are lower pressure drop, less downtime, and cleaner plant air.

The factory saw operational benefits immediately:

- Lower stabilized pressure drop across the Dura-Life filter bags. The system operated non-stop for five days before the self-cleaning mechanism first cycled in the Dalamatic collector.
- Reduced compressed air consumption, resulting in lower energy usage.
- Lower emissions due to the higher filtration efficiency of Dura-Life filter bags.

“Emissions are measurably less. This dust collector and Dura-Life filter bags are awesome!” ☉

*Donaldson Torit Cased Dalamatic Dust Collector, Model DLMC 1/2/15, Self-Cleaning*

