

BARRIER TECHNOLOGY

DURABLOC PROCESS™ FOR FUEL TANKS

Exceed the most stringent evaporative emission standards while maintaining flexibility and process simplicity

Inhance Technologies' new DuraBloc Process™ provides the highest barrier performance for HDPE & XLPE fuel tanks and portable storage; assuring quality, durability and compliance

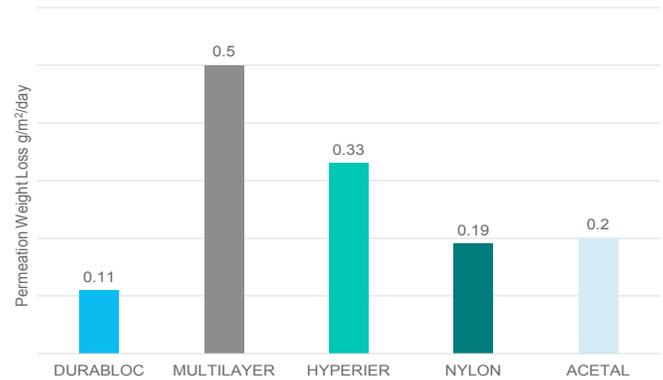
For over 30 years, our technology has been providing customers with industry leading barrier solutions for plastics. While the first to enable monolayer polyethylene fuel systems to exceed emissions standards set by the Environment Protection Agency (EPA) and California Air Regulations Board (CARB), Inhance continues to develop pioneering solutions for responsible fuel containment.

Our newest patent pending fuel barrier innovation, DuraBloc Process™ provides our deepest and most dense layer of barrier protection and is applicable to all tank manufacturing processes including blow molding, rotational molding and injection molding.

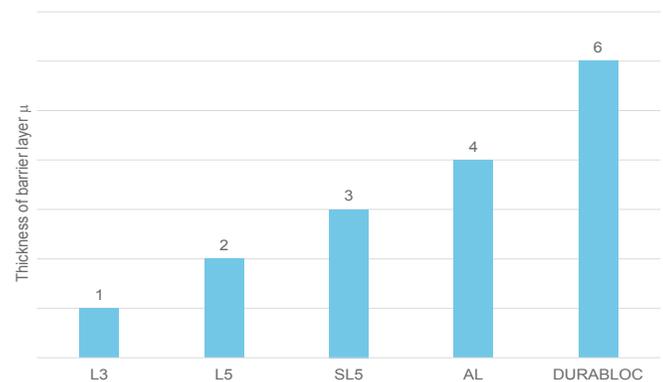
DuraBloc Process™ imparts a unique two-sided barrier that exhibits an order of magnitude lower permeation weight loss with CE10 fuel than current EPA and CARB regulatory standards. Also, treated tanks show no additional fuel permeation in severe field test simulations.

BENEFITS

- Durabloc Process™ provides the best performing barrier for HDPE and XLPE fuel tanks
- Double-sided barrier is durable - even after severe testing with abrasive media
- Compatible with all plastic processing technologies
- Monolayer construction provides the best impact performance
- In-field, non-destructive compliance verification of barrier
- Endless design options as the DuraBloc Process™ does not rely on polymer thickness
- No delamination or composition inconsistencies found in multilayer and lamellar tank constructions
- Monolayer is simple and cost effective vs. more complex multilayer and lamellar processes
- Ability to treat assemblies - providing barrier performance to caps, grommets and ancillary components
- Fully recyclable



DuraBloc offers the best permeation barrier



DuraBloc offers the deepest and densest fluorination layer



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APPLICATIONS

Outdoor Power and Lawn Equipment

- Blowers
- Lawn Mowers
- Edgers
- Chainsaws
- Trimmers

Utility Vehicles

- All-Terrain (ATV)
- Side-by-Side (SxS)
- Snow Mobile

Marine

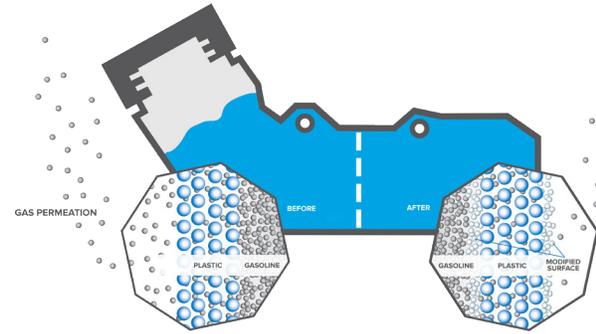
- Outboard / Inboard
- Personal Water Craft

Automotive

- Military
- Agricultural
- Construction
- Portable Fuel

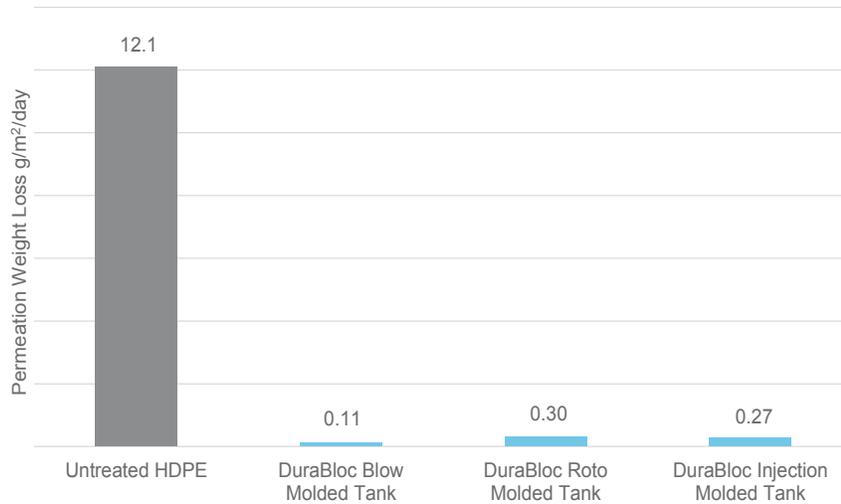
Other

- Grommets
- Gaskets
- Bladders
- Fuel Cap Seals
- Piping Systems



Most fuels readily penetrate container walls. DuraBloc Process™ permanently modifies the surface, inside and out, creating a double-sided barrier to dramatically reduce permeation.

PERMEATION DATA



Fuel permeation data for DuraBloc Process™ treated fuel tanks.

*EPA Regulatory Standard: 1.5 g/m²/day per EPA 40 CFR Part 1060.103



Inhance Technologies solutions can be applied in a number of industries to improve product performance and sustainability.