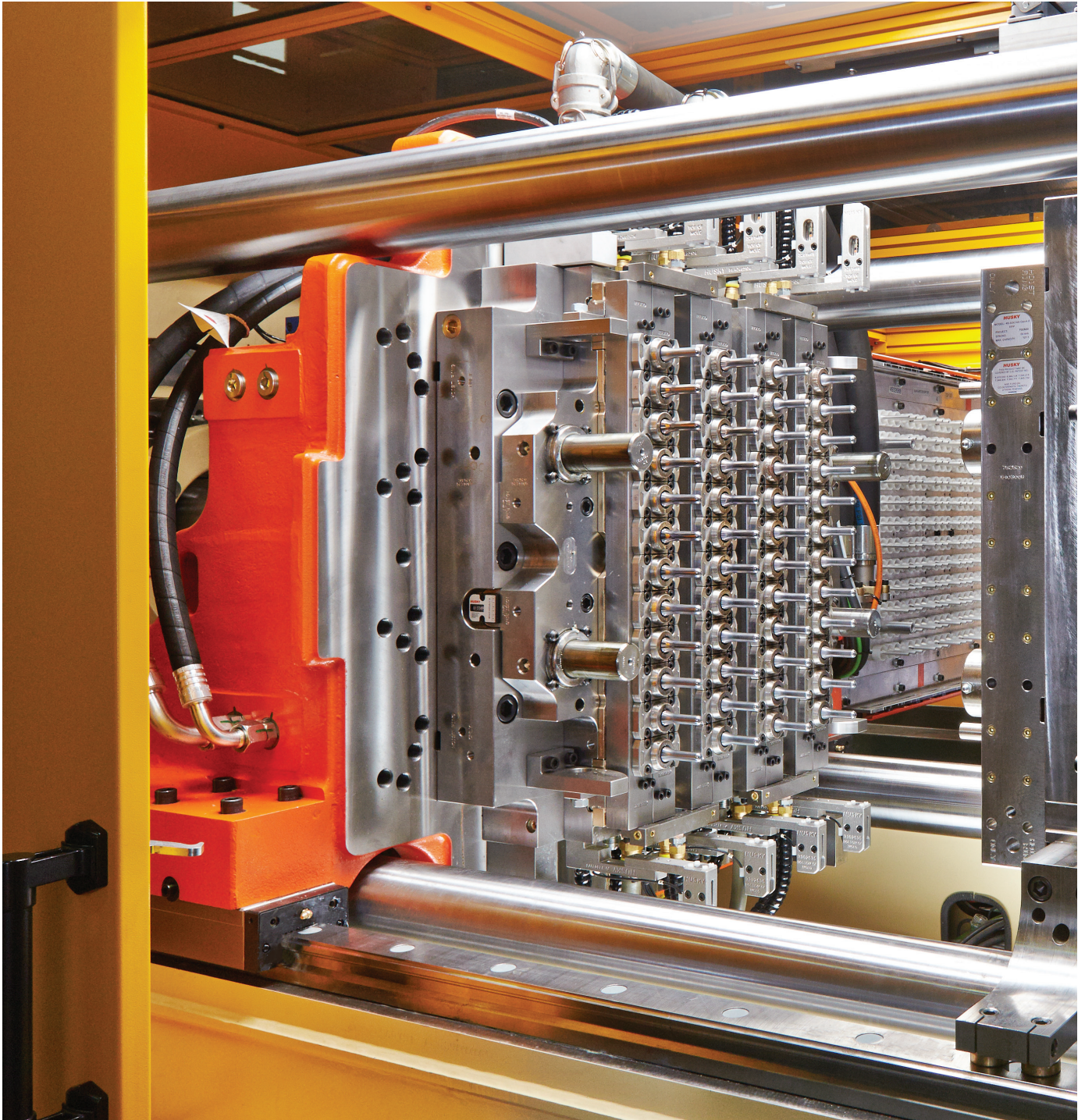




Multi-layer Barrier Technology

Unlocking packaging possibilities in PET





The Benefits of Multi-layer Barrier Technology

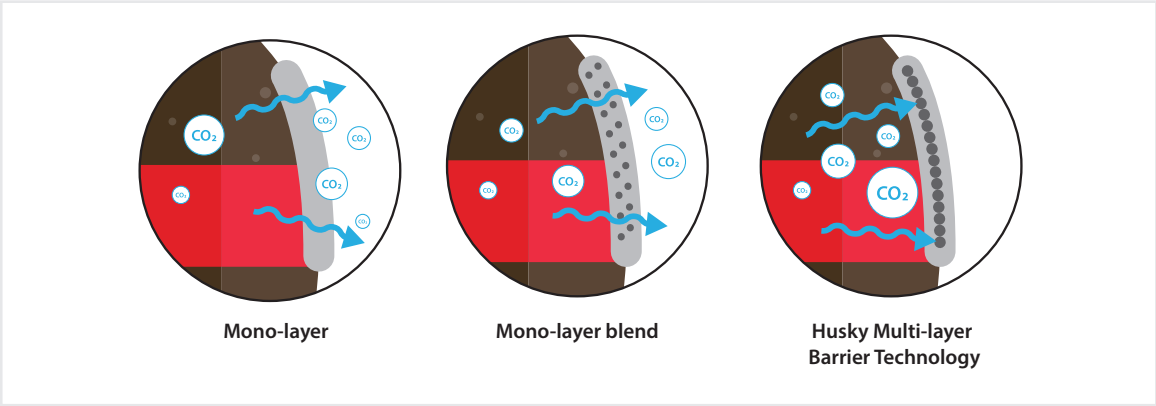
Husky's Multi-Layer Barrier Technology combines our industry-leading HyPET® HPP5 technology with an advanced melt delivery system and enhanced controls to provide increased capability to precisely distribute barrier material—offering the ideal combination of product protection and package design.

Built upon Husky's industry-leading HyPET® HPP5 solution, Multi-layer Barrier Technology combines the benefits of a robust, high performing and easy-to-maintain system with the capability to precisely dose the barrier layer. Offered as a module for HPP5, Multi-Layer Barrier Technology has no requirements for special tooling or equipment. Packages can be blown and filled on existing lines, making this a drop-in solution that still benefits from all future advancements to HPP technology.

Multi-Layer Barrier Technology is an integrated solution for PET preforms that offers more flexible material properties for enhanced package design and performance, allowing you to consider more attractive packaging options over alternative materials, such as high-density polyethylene (HDPE), cartons, metal, and even glass.

With the highest ever system capability, Husky's Multi-Layer Barrier Technology can produce preforms with a wide range of barrier content, even below 3%, while delivering up to 50% savings on barrier material costs for some applications. This enables design freedom both across and within applications to customize the amount of barrier content used. The ability to precisely dose barrier content and adjust the range within an application successfully ensures seasonal variations are considered with relation to package shelf life.

Providing long shelf life while reducing material costs



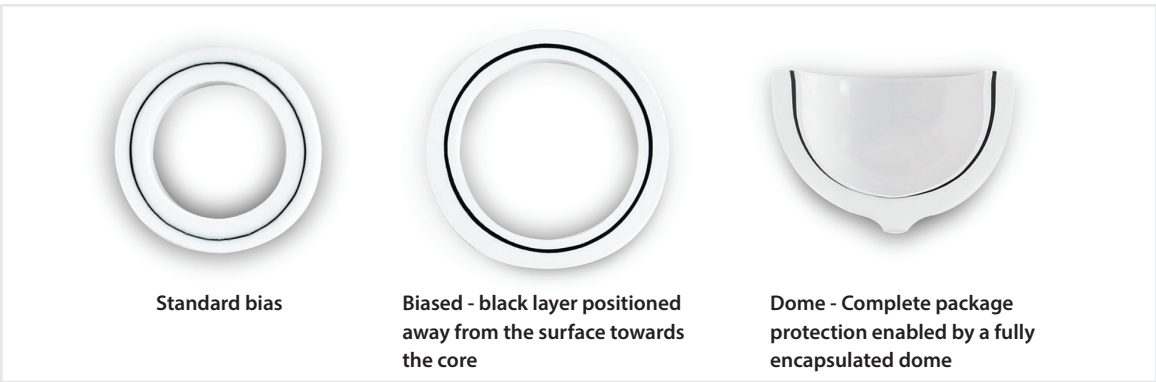
Multi-Layer Barrier packages optimize freshness by providing increased product protection.

Barrier requirements vary by application

| | | | | |
|-----------------|--|--|--|--|
| |  |  |  |  |
| CO ₂ | ✓ | | | ✓ |
| O ₂ | | ✓ | | ✓ |
| Light | | | ✓ | ✓ |

Multi-layer Barrier Technology offers tremendous opportunity to unlock the potential for conversions from alternate packaging to PET, while delivering equal or better shelf life and reduced barrier material costs.

Ability to precisely place barrier material just where it is needed



An advanced melt delivery system delivers unrivaled balance with only two melt splits. A variable position valve stem design provides the flexibility to vary the barrier layer position and fully encapsulate the dome with the barrier layer.

Husky Injection Molding Systems
www.husky.co

| | |
|--------------------|--|
| Head Office | Canada • Tel. (905) 951 5000 • Fax (905) 951 5384 |
| Asia | China • Tel. (86) 21 2033 1000 • Fax (86) 21 5048 4900 |
| Europe | Luxembourg • Tel. (352) 52 11 51 • Fax (352) 52 60 10 |

 Please recycle. 16-045 September 2016

*HUSKY, HyPET are registered trade-marks of Husky Injection Molding Systems Ltd. in the United States and other countries, and may be used by certain of its affiliated companies under License. All HUSKY products or service names or logos referenced in these materials are trade-marks of Husky Injection Molding Systems Ltd. and may be used by certain of its affiliated companies under License.
© 2016 Husky Injection Molding Systems Ltd. All rights are reserved.

Disclaimer: Information is made available in this flyer "as is" and no warranties are given or liabilities of any kind are assumed with respect to the quality of such Information, including, but not limited to, its fitness for a purpose, non-infringement of third party rights, accuracy, completeness or its correctness. Except as set forth in Husky's written warranty, Husky makes no additional warranties, whether express, implied or statutory. Certain conditions may apply. For more details please request a copy of Husky's written warranty and Standard Terms and Conditions."