

# HDPE Bottles with CRC Closures



**Colorcon**<sup>®</sup>

Working Together for a Healthier World

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## Bottles with Superior Moisture Protection Performance

Pharmaceutical product manufacturers are constantly seeking ways to provide their customers with superior performing products that not only serve their important medical purpose, but also provide an effective shelf life. Advanced packaging solutions are therefore essential.

HDPE bottles from Colorcon are injection blow molded (IBM) pharmaceutical containers offering higher barrier protection from moisture.

Compared to standard alternatives, they have high passive moisture barriers. HDPE bottles are designed with a higher wall thickness to significantly reduce the moisture transmission rate (MTR).

A key feature is the dedicated child-resistant closure (CRC) system, which has been designed in response to customer needs and market applications. The seal is made via a heat induction seal liner which protects the sealed container from leakage and provides a tamper evident layer.

### HDPE bottles:

- Specially designed CRC closure system for leakage protection
- Tamper evident feature
- Injection blow molded production method

HDPE bottles come in a range of standard configurations and can be customized to meet customer requirements.



The bottles range in size from 30 cc to 750 cc, with a diameter of 33 mm or 38 mm. Tailored solutions could incorporate features such as a dedicated barrier property, or a dedicated volume or shape (round or square).

Customers can also choose to have a drop-in desiccant solution with canister/packet or take advantage of the fact that these HDPE bottles are compatible with the new IDC (Integrated Desiccant Closure).

This game changing feature enables manufacturers to reduce the number of components that would typically form a complete desiccant system in a bottle by integrating the desiccant into the closure.

- Bottles are compliant with US FDA and EU regulations for use in dry pharmaceutical applications
- CRC closures are registered in a US-FDA Drug Master File and a NMPA CDE Drug Master File
- HDPE bottles are registered in a US-FDA Drug Master File and a NMPA CDE Drug Master File
- HDPE bottles are USP Chapter <671> Containers – Performance Testing compliant (light & moisture vapor transmission)



Regulatory compliance may vary depending on the country and end-use application, please contact your Colorcon representative for more information.

Contact your Colorcon representative or call:

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