

*GERRESHEIMER*



## Duma<sup>®</sup> Twist-Off Protect

US standard container now also available with the Protect features

Reduced moisture vapor transmission

Reduced oxygen permeability



# Extremely good barrier properties provided by the materials in the multilayer design



Gerresheimer Plastic Packaging is the first company in the world to introduce an injection blow moulding multilayer solution. The multilayer design of the Duma® Twist-Off Protect container and the US standard Triveni container offers an improved protection against water vapor and oxygen and as the container is fully compatible with the existing product ranges there is no need for changes on the filling line.



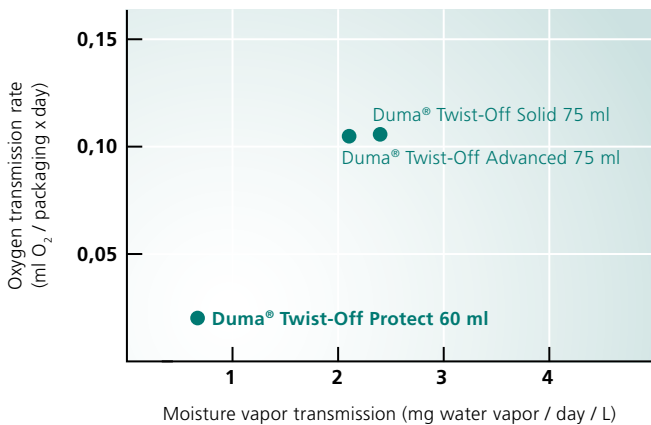
## FEATURES

- Reduced transmission of water vapor and oxygen
- Well known materials on the outside as well as on the inside of the container with special “barrier layer” in between
- High quality Injection Blow Moulded container
- Multiple choices for your needs

## ADVANTAGES

- Significantly improved protection against water vapor and oxygen
- Extremely good barrier properties provided by the materials in the multilayer design
- Easy regulatory change
- Better control of geometry and thickness distribution providing better barrier and tightness compared to Extrusion Blow Moulded container
- Full compatibility with Duma® Twist-Off product range/same closures TE/CR/SF with and without desiccant
- Full compatibility with US Triveni product range
- No change on the filling line

## WATER VAPOR AND OXYGEN PERMEABILITY



### Tests performed:

\* MVT (WVP):  
USP 38 <671>

\* OTR:  
ASTM F 1307



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