

MLx / MLc rigid plastic multilayer

technology combining drug protection with user safety



MLx vials & bottles

(multilayer injection blow molding process) industrial with tens of millions of bottles delivered every year.

MLc tubes

(multilayer injection molding) in development for blood diagnostic tubes, cartridges, syringes.

Three layers, two materials for optimized performance. COP, COC, PET, PC, Nylon,...



innovation



performance

defining the best combination of materials for optimized performance

- barrier to moisture, oxygen
- vacuum resistance
- mechanical characteristics: impact, pressure resistance, heat
- chemical resistance: stability to a wide range of pH
- sterilization compatibility
- ensure package compliance
 - less protein adhesion than with glass
 - USP compliant resins

safety

improved resistance to breakage reinforces safety from the fill lines to the end user

- reduction of accidental exposure to pharmaceuticals
- no risk of injuries due to shattered glass

reliability

a fully validated process for industrial excellence

- consistent layers for a validated performance in various materials, shapes and sizes
- higher fill line productivity, fewer stoppages, reduced manual inspection
- better protection throughout the supply chain allows efficient transportation and light weight packaging

Rexam's development team provides full support for customized package requirements

- multilayer experts help you define your requirements and the best fit for your application
- team supports continuous optimization of material and process offers
- a dedicated technical center with prototype and pilot equipment

Our proprietary multilayer technology can be adapted to our clients' needs.

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