

Self Sealing Chemical Resistant Closure

By Mullackal Polymers | Category: Most Innovative Supplier

Packing liquids are always a challenge, especially if the product is a hazardous agrochemical. Finding solutions to problems faced in packing agrochemicals in PET bottles and aluminium bottles is the core reason of this innovation.

Overcoming Chal To address these challenges, Mullackal Polymers developed CRTESS (Chemical Resistant Tamper-Evident Self-Sealing) With respect to agrochemical being packed The challenges encountered CAP for the PET bottle for which: in PET bottles, existing bottles are capped developing the CRTESS Cap and the CR and sealed with induction liner fitted caps. Screw Cap were: No induction sealing is required The soft flexible chemically-resistant inner material of the seal cap accommodates the unevenness and provides Maintaining a tamper-evident design Challenges during capping and sealing: barrier property to the product - good seal, no leakage. 2) Fine dimensional tolerance for user friendliness i.e. ease of opening and PET bottles have a very small sealing 3) Each time the cap is closed, it would be 100% leak proof, every time. This helps retain the efficacy of the product till its temperature window, which results in either closing the cap last drop. a weak seal or seal burning, thereby resulting 3) Use the existing production filling line 4) The product manufacturer can guarantee the product quality to the last drop. in leakage of hazardous chemicals. Additional benefits of using the CRTESS Cap: Impact of the The unevenness of the bottle's mouth The entire existing induction sealing and wadding operation is eliminated, resulting in saving cost of the induction surface makes sealing weak, again resulting Machine, saving of space, saving production time, money and energy in leakage. Spurious operation of duplicate packs are discouraged due to high investment and the high end technology of mould Innovation and machines In the existing Cap, the induction liner is non-recyclable (it is made up of aluminium foil, paper board and plastic Once the induction seal is open, then the laminate). The new cap is recyclable. This innovation makes the new CRTESS Cap sustainable. eakproof capping cap cannot be 100% This innovative cap solves all the disadvantages of the existing cap associated with induction sealing liner. leak-proof. recyclable