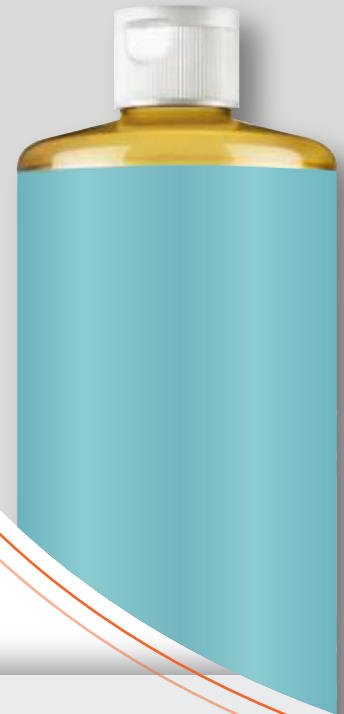


PLASTIC BOTTLE PANELING

A PERSONAL CARE COMPANY

CHALLENGE

This personal care company offers products with plant-based ingredients for an All-In-1-Soap. They have an eco-friendly focus for material and packaging, and their products can be found in major retailers. The personal care brand came to Empire Emco with concerns about bottle paneling with several SKU's. Their bottles are manufactured domestically, and their disc top caps were being sourced from China. The caps contained a China-based liner.



SOLUTION

Empire Emco reviewed samples of the bottles demonstrating paneling and bottles without paneling. Upon review, we determined some products had a higher viscosity and the contents were obstructing the airflow resulting in paneling. Thus, a vented liner would be needed to allow for the thick liquid to roll off the liner and allow for airflow. After several tests, we determined the M-Vent was the best resolution. It has an FDA approved oleophobic membrane and twice the pore and surface sizes as the competitors.

RESULTS

The implementation of Empire Emco's solutions yielded remarkable results for this Corporation:



CUSTOMER SPECIFIC LINER COMBO

Empire Emco worked with the plant to determine which membrane, liner size, pore size, and vent size would work best for the customer. There are over 1856 possible combinations. We performed the evaluation and testing on behalf of the customer.



EMPIRE EMCO HELPED THE CUSTOMER RESHORE THE COMPONENT

The vented technology is proprietary to a US Manufacturer. Reshoring gave the customer more control over the supply chain and lead times.



REDUCTION OF PRODUCT WASTE AND RETURNS

Increased profit margins is the greatest advantage of reducing the amount of damaged goods.

CONCLUSION

Empire Emco's innovative and customized approach to packaging not only addressed the immediate challenges faced by the personal care company but also positioned them for long-term success and profit by focusing on an effective resolution. Empire Emco delivered a packaging solution that not only met, but exceeded the client's expectations. This case study exemplifies the transformative impact of Empire Emco's expertise in the packaging industry.