

CHEMICAL RESISTANT SOLUTIONS FOR COSMETIC, PERSONAL CARE AND HOUSEHOLD PACKAGING

We've developed a line of chemical resistant thermoplastic elastomers (TPEs) that do not discolor, etch, crack or delaminate. What's more, they are FDA and REACH compliant and resist those chemicals particular to cosmetics, personal care, and household products. And, because TPEs can be overmolded, brand owners and packaging manufacturers have new options for designing components that can be integrated directly into the package.

	Versaflex™ PKG 4345, 4355, 4365	Versaflex™ PKG 4465	Versaflex™ PKG 4570	Versaflex™ PKG 4665
Hardness Shore A	45A, 55A, 65A	65A	70A	65A
Regulatory*	<ul style="list-style-type: none"> • REACH SVHC • FDA 21 CFR • EU 10/2011 	<ul style="list-style-type: none"> • REACH SVHC • FDA 21 CFR 	<ul style="list-style-type: none"> • REACH SVHC • FDA 21 CFR 	<ul style="list-style-type: none"> • REACH SVHC • FDA 21 CFR
Color	Translucent	Translucent	Natural	Natural
Overmolding Bonds To	Polypropylene	Polypropylene	Polar substrates	Polar substrates
Chemical Resistance	<ul style="list-style-type: none"> • #1 for soaps • Low-cost solution for non-polar oils 	<ul style="list-style-type: none"> • #2 for soaps • Some oils 	<ul style="list-style-type: none"> • #1 for polar & non-polar oils • #1 for non-polar solvents, like isododecane 	<ul style="list-style-type: none"> • #2 for non-polar oils • Abrasion resistance

* Regulatory compliance is offered for consideration only—limitations apply; please check with product stewardship. Testing is the sole responsibility of the final article manufacturer.



Our FDA and REACH compliant Versaflex™ PKG TPEs provide options for designing aesthetically pleasing packaging components that withstand aggressive chemicals.

CHEMICAL RESISTANT TPEs ADD FUNCTIONALITY THAT BRINGS VALUE TO CONSUMERS

- **Chemical Resistance** – Resists aggressive soaps, detergents, lotions, oils and solvents found in cosmetic, personal care and household products
- **Regulatory*** – Compositionally compliant with certain FDA and REACH regulations
- **Value** – Economical alternative to silicone and over-engineered medical grade TPEs
- **Easy to Process** – Can be injection molded and overmolded right onto the substrate including PP, ABS, etc.
- **Differentiation** – Add color and texture to stand out from the competition
- **Recyclable** – TPEs are compatible with most municipal recycle streams
- **Global Support** – PolyOne is a global supplier with manufacturing and technical support in Europe, Asia and North America

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To learn more about chemical resistant GLS TPEs for packaging, contact PolyOne at +1.866.POLYONE (+1.866.765.9663).

www.polyone.com

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