



» PRODUCT BULLETIN

GLS™ TPEs with Antimicrobial Technologies

This specialty line of GLS™ thermoplastic elastomers has imbedded antimicrobial additives that inhibit bacterial growth by 99.9% or more (log 3) and resist fungal growth to protect molded plastic parts.

Developed for the preservation of high-touch surfaces and applications, these formulations contain antimicrobial additives that continuously inhibit the growth of bacteria, fungus, and molds that cause odor and detrimental aesthetic and mechanical property changes to the finished plastic part. Tested against common bacteria and fungi, these TPEs with antimicrobial technologies have proven to protect the finished part from microbial and fungi growth on both textured and smooth surfaces.

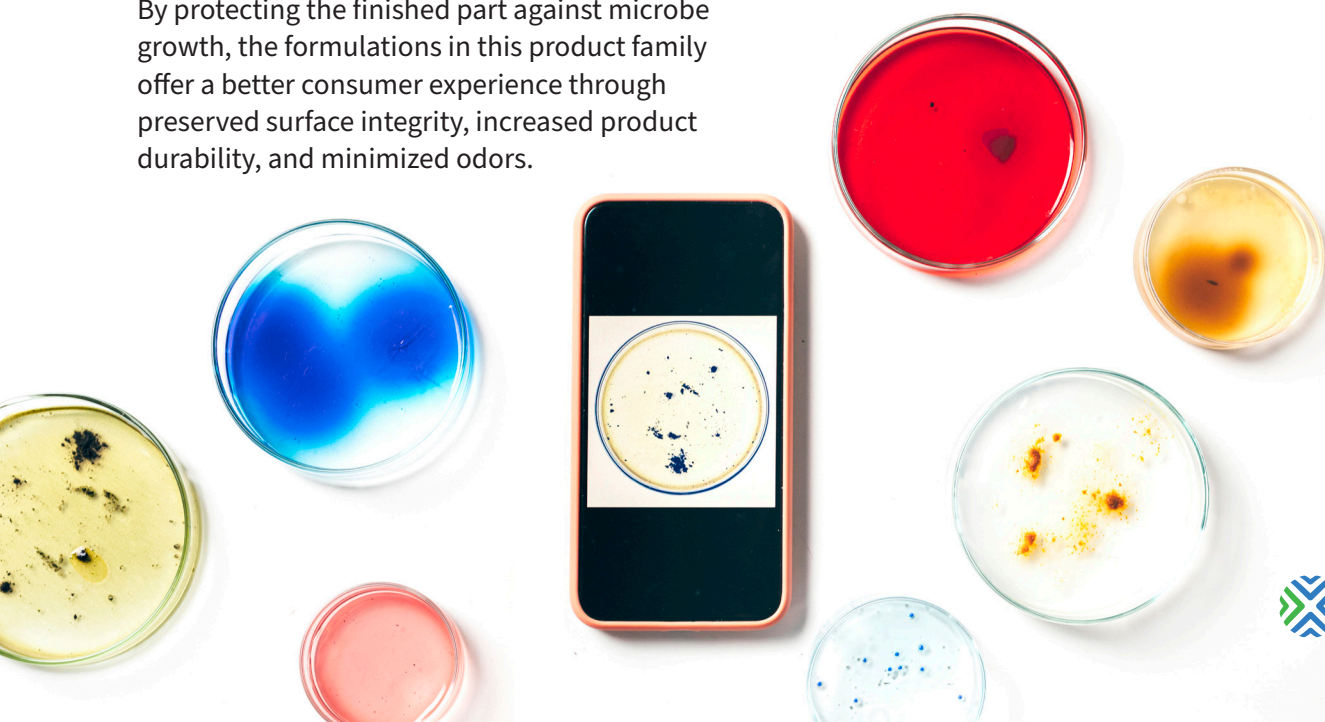
By protecting the finished part against microbe growth, the formulations in this product family offer a better consumer experience through preserved surface integrity, increased product durability, and minimized odors.

KEY CHARACTERISTICS

- Protects finished part by inhibiting microbial and fungi growth
- Extends useful life of finished TPE parts by controlling deterioration caused by mildew or mold fungus
- Increases product durability, preserves surface integrity, and minimizes odors

MARKETS & APPLICATIONS

Suitable for high-touch surfaces and applications, GLS TPEs with antimicrobial technologies add value in the consumer, packaging and automotive markets.



TECHNICAL PROPERTIES

	VERSAFLEX™ GP 2810-40N AM	VERSAFLEX™ CE 3120-65* AM	ONFLEX™ LO 7120-45 AM
Applications	Personal care grips Consumer packaging	Consumer electronics Charging stations	HVAC seals Cup holder mats
Color	Natural	Natural	Natural
Durometer, Shore A	45	66	45
Specific Gravity (kg/m3)	0.87	1.14	1.13
Tensile Strength (PSI)	650	1200	585
Elongation %	700	600	685
Modulus @ 300% (PSI)	260	585	300
Injection Moldable	Yes	Yes	Yes
OM Substrate	PP	PC, ABS, PC/ABS, COPE	PP

*UL listing does not apply; testing can be completed if required by the customer

Take a closer look at the research and testing behind TPEs with antimicrobial additives in our white paper published in [Polymer Engineering & Science](#).

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