

Resistance to:							
Housing Material	Industrial Solvents	Dilute Acids	Concentrated Acids	Dilute Caustic Alkalis	Concentrated Caustic Alkalis	10% Sodium Hydroxide in Steam	Sunlight and Weathering
Thermoplastic Polyester	Attacked by: acetone, MEK, and methylene chloride ⊙	●	⊙	○	○	○	⊙
Polycarbonate	Attacked by: acetone, MEK, and methylene chloride ○	⊙	⊙	○	○	○	⊙
Polyphenylene oxide (PPO)	Attacked by: chlorinated hydrocarbons ¹ ⊙	⊙	⊙	●	⊙	⊙	●
Acetal	⊙	⊙	○	⊙	○	⊙	⊙
Epoxy-coated zinc-aluminum alloy	⊙	⊙	⊙	⊙	⊙	⊙	●
Anodized Aluminum	●	⊙	○	⊙	⊙	⊙	⊙
Stainless Steel	●	⊙	○	●	⊙	⊙	⊙
PVC (Polyvinyl-chloride)	Attacked by: acetone, MEK, and methylene chloride ⊙	⊙	⊙	●	●	●	⊙
Polyethylene	Attacked by: chlorinated hydrocarbons ¹ ⊙	●	●	⊙	⊙	⊙	○
ABS	Attacked by: acetone, MEK, esters, ketones, and chlorinated hydrocarbons ○	⊙	○	⊙	⊙	⊙	⊙

Resistance to:							
Lens Material	Industrial Solvents	Dilute Acids	Concentrated Acids	Dilute Caustic Alkalis	Concentrated Caustic Alkalis	10% Sodium Hydroxide in Steam	Sunlight and Weathering
Glass ²	●	⊙	⊙	●	⊙	⊙	●
Acrylic ³	○	⊙	○	⊙	⊙	⊙	⊙
Polysulfone	Attacked by: chlorinated hydrocarbons ³ ⊙	⊙	○	⊙	○	○	○
Polycarbonate	Attacked by: acetone, MEK, and methylene chloride ○	⊙	⊙	○	○	○	⊙

Key to Performance

Rating	% Retention to Strength	Degree of Attack
● Excellent	85 to 100%	Slight (or no) attack
⊙ Good	75 to 84%	Moderate attack
⊙ Fair	50 to 74%	Noticeable swelling softening, etching or corrosion
○ Poor	<50%	Severe degradation

NOTES:

- ¹ Chlorinated hydrocarbons include Freon, methylene chloride, trichlorethane, and trichloroethylene.
- ² Plastic lens covers are available for some sensors to meet FDA requirements.
- ³ Glass covers are available for some sensors to protect the acrylic lens.