

Chemicals / Fabric / Environmental factors		PA	PA/ABS	PBT/PC	PBT/PC*	PC	PC/ASA	PC/SI	PE	TPE	NR-SBR
Alcohols	Butanol	+	/	/	+	/	/	/	/	-	+
	Ethanol	o	o	+	+	+	+	+	+	+	+
	Glycerin	+	+	o	+	o	o	/	+	+	+
	Isopropanol	+	o	+	+	+	o	+	+	o	+
	Methanol	o	o	-	+	-	o	/	+	+	+
	Spirit	o	o	/	+	+	/	/	+	/	+
Bases	Ammonia	+	+	-	o	-	-	+	+	/	/
	Calcium hydroxide (slaked lime)	+	/	/	+	/	/	/	+	/	/
	Potassium hydroxide (caustic potash solution)	o	o	+	-	-	-	/	+	/	/
	Sodium hydroxide (caustic soda)	+	+	+	-	-	-	/	+	+	/
	Wash suds	+	+	/	+	/	o	/	/	/	/
Weathering	Ozone	-	o	-	o	-	+	/	o	/	/
	Salt water	+	+	+	+	+	+	/	+	+	+
	UV radiation	o	o	o	o	+	+	/	o	o	o
Ether	Ether	+	o	/	o	/	-	/	o	/	/
Fats	Rolling bearing grease	+	/	/	+	/	/	/	+	/	/
	Edible grease	+	/	/	/	+	/	/	+	/	/
	Vaseline	+	+	+	+	+	+	+	o	/	/
Hydrocarbons	Benzene	+	o	+	o	-	-	/	o	/	/
	Naphthalene	+	o	+	o	/	/	/	o	/	/
	Styrene	+	/	o	o	-	/	/	o	/	/
	Toluene	+	o	+	-	-	-	/	o	/	/
	Xylene	+	o	-	-	-	-	/	o	/	-

Legend	
Resistance	
Good to very good resistance	+
Improved resistance	o
No resistance (failure or severe material degradation)	-
No check performed/no information	/
Materials	
PA	Polyamide
PA/ABS	Polyamid+ABS
PBT	Polybutylene terephthalate
PBT-halogen-free	Polybutylene terephthalate - halogen-free
PC	Polycarbonat
PE	Polyethylen
TPE	Thermoplastic elastomer
NR-SBR	Isoprene rubber - Styrene-butadiene rubber

*halogen-free

Exclusion clauses

The classifications are the result of chemical compatibility tests on standard test specimens that have been tested under defined conditions. The suitability of the materials for the respective application always depends heavily on

- the duration of contact with the chemical,
- the temperature
- the mechanical stresses to which the device is subjected, and
- the concentration of the chemicals.

Due to these influencing factors, only a general indication of resistance can be given. The suitability of the material used must be determined for the specific application.

The "substances" listed are not exhaustive and are not specified further for reasons of clarity. The individual "substances" for the compatibility test were selected on the basis of standard specifications and manufacturer tests. We would therefore like to expressly point out that a substance that does not bear any indication of resistance is not necessarily incompatible.

If you have any questions or queries, please contact us.

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Fuels	Gasoline	+	o	+	+	+	o	/	o	o	-
	Diesel	+	/	+	o	/	/	/	o	/	/
	Kerosene	+	/	+	+	/	/	/	/	/	/
	M 15	+	/	/	+	/	/	/	/	/	/
Oils	Diesel oil	+	+	o	o	o	o	/	+	/	/
	Gear oil	+	/	/	o	/	/	/	/	/	/
	Hydraulic oil	+	/	/	+	/	/	/	/	/	/
	Mineral oil	+	/	/	+	/	/	/	/	/	/
	Engine oil	+	+	+	o	/	+	/	+	/	/
	Kerosene oil	+	+	+	+	+	/	/	+	/	/
	Silicone oil	+	+	/	+	+	+	/	+	/	/
	Cooking oil	+	+	/	+	+	/	/	+	/	/
	Turpentine oil	+	/	/	+	/	/	/	o	/	/
Salts	Ammonium nitrate	+	+	o	o	o	o	/	+	/	/
	Barium sulfate	o	/	o	o	/	/	/	+	/	/
	Calcium chloride	o	o	+	+	+	+	/	+	/	+
	Potassium chloride	+	+	/	+	/	+	/	+	/	/
	Sodium carbonate	+	+	+	+	o	o	/	+	/	/
	Sodium chloride (table salt)	+	+	+	+	+	+	/	+	+	/
Acids	Benzoic acid	-	o	o	o	/	-	/	+	/	/
	Acetic acid	-	-	+	o	+	o	/	+	-	/
	Phosphoric acid	-	o	o	o	o	+	/	+	/	/
	Nitric acid	-	-	/	-	o	o	/	o	o	/
	Hydrochloric acid	-	-	+	-	+	o	/	+	o	/
	Sulphuric acid	-	-	+	-	o	o	/	+	+	-
	Hydrogen peroxide	-	o	+	o	+	o	/	+	+	/

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