

List of resistance of materials

	Polyamide	Polyester	Polycarbonate	Rubber SBR quality
Acetone	+	0	●	+
Ethyl alcohol	+	+	+	+
Alcoholic drinks	+	+	+	+
Liquid ammonia	+	+	●	+
Fuel	+	+	+	●
Benzol	+	0	●	●
Brome	●	●	●	●
Butter	+	+	●	●
Chlorine	0	0	0	0
Light oil	+	+	0	0
Methylene chloride	0	●	●	●
Acetic acid 10%	●	0	+	●
Ethyl ester	+	+	●	●
Fluorocarbon	+	+	●	●
Fruit juices	0	+	+	+
Dish detergent	0	+	0	+
Glycerine	+	+	0	+
Glycol	0	+	0	+
Urea	0	+	0	+
Iodine	●	●	0	+
Soapy water 2%	+	+	+	+
Methy alcohol	0	+	●	+
Milk	+	+	+	+
Petroleum	+	+	+	0
Nitrobenze	+	0	●	●
Ozon	●	●	+	0
Perchlorethylene	0	+	●	●
Hydrochlorid acid up to 35%	●	●	0	0
Sulphuric acid up to 40%	●	●	+	+
Lard	+	+	●	0
Soapy water	+	+	+	0
Edible oil, edible fat	+	+	+	0
Petrol "4 star"	+	0	●	●
Toluene	+	0	●	●
Trichlorethylene	0	●	●	●
Base of detergent	+	+	0	0
Water, seawater, cold	+	+	+	+
Water hot	0	0	0	0
Hydrogen peroxyd, 30%	0	0	+	0

+ resistant 0 conditionally permanent ● not resistant
 + beständig 0 bedingt beständig ● unbeständig

In this list the most common chemicals which may occur are listed. The table informs about the basic principles of the chemical resistance. Important is the convergence of chemicals and the ambient temperature. If chemicals are used or may occur simultaneously, an exact control of resistance need to be done.

Origin:
 Werkstoff-Führer Kunststoff
 Hellerich/ Harsch/ Haenle
 6. Edition
 Bayer Kunststoff