

Chemikalienbeständigkeit von Polyethylen (PE) und Polypropylen (PP)

● beständig ■ bedingt beständig ▲ unbeständig

	PP		PE	
	20°	60°	20°	60°
Acetaldehyd, wäßrig	●	●	●	●
Aceton	●	●	●	●
Äthanol	●	●	●	●
Äther	■	●	●	●
Äthylenchlorid	■	●	●	●
Ätzkali	●	●	●	●
Alaun, wäßrig	●	●	●	●
Alkohol (96%)	●	●	●	●
Aluminiumchlorid	●	●	●	●
Ameisensäure (85%)	●	■	●	●
Ammoniakwasser	●	●	●	●
Ammoniumchlorid	●	●	●	●
Amylacetat	■	▲	●	●
Anilin	●	●	●	■
Arsensäure, wäßrig	●	●	●	●
Benzin, techn. rein	■	▲	●	■
Benzolsulfonsäure	●	●	●	●
Bernsteinsäure (50%)	●	●	●	●
Bier	●	●	●	●
Blausäure	●	●	●	●
Borsäure, wäßrig	●	●	●	●
Brom, flüssig	▲	▲	▲	▲
Bromwasserstoff-Säure (50%)	●	●	●	●
Butanol, wäßrig	●	●	●	●
Buttersäure, wäßrig	●	●	■	■
Butylacetat	■	▲	●	●
Calciumchlorit, wäßrig	●	●	●	●
Calciumhypochlorit, wäßrig	●	●	●	■
Chlor, flüssig	▲	▲	▲	▲
Chlor, trocken	▲	▲	▲	▲
Chlorbenzol	●	●	■	■
Chloroform	■	▲	▲	▲
Chlorsulfonsäure	▲	▲	▲	▲
Chlorwasserstoffgas	●	●	●	●
Chromalaun, wäßrig	●	●	●	●
Chromsäure (50%)	■	■	■	▲
Cyanwasserstoffsäure	●	●	●	●
Cyclohexan	●	●	●	●
Cyclohexanol	●	●	●	●
Cyclohexanon	●	■	●	■
Dekalin	■	■	●	■
Diäthyläther	■	■	●	▲
Dibuthylphthalat	●	■	●	■
Dieselöl	●	■	●	■
Dioxan	■	■	●	●
Eisenchlorid	●	●	●	●

	PP		PE	
	20°	60°	20°	60°
Eisensulfat	●	●	●	●
Emulgatoren	●	●	●	●
Essigsäure (10%)	●	●	●	●
Essigsäure (100%)	●	■	●	■
Ester, aliphatische	●	●	●	●
Fettsäuren	●	●	●	●
Fluorwasserstoffsäure (40%)	●	●	●	●
Fluorwasserstoffsäure (75%)	●	●	●	●
Formaldehyd (40%)	●	●	●	●
Fruchtsäfte	●	●	●	●
Gelatine	●	●	●	●
Gerbsäure (10%)	●	●	●	●
Glyzerin	●	●	●	●
Glykol (konz.)	●	●	●	●
Hefe	●	●	●	●
Isopropylalkohol	●	●	●	●
Kaliumchlorid	●	●	●	●
Kaliumhydroxyd (30% L.)	●	●	●	●
Ketone	■	●	■	■
Kieselsäure	●	●	●	●
Königswasser	▲	▲	▲	▲
Kohlensäure	●	●	●	●
Kupfersalze	●	●	●	●
Lösungsmittel, arom.	●	●	●	▲
Magnesiumchlorid	●	●	●	●
Marmeladen	●	●	●	●
Melasse	●	●	●	●
Methanol	●	●	●	●
Methoxybutanol	●	●	●	●
Methylacetat	●	●	●	●
Methylenchlorid	■	▲	●	●
Methylglykol	●	●	●	●
Methylglykolacetat	●	●	●	●
Milchsäure (25%)	●	●	●	●
Mineralöle	●	■	●	●
Naphta	●	■	●	■
Naphtalin	●	●	●	●
Natriumcarbonat	●	●	●	●
Natriumchlorid	●	●	●	●
Natriumhypochlorid	■	■	●	●
Natriumsilikat	●	●	●	●
Natriumsulfid	●	●	●	●
Nickelsalze	●	●	●	●
Öle, ätherische	■	▲	●	●
Öle, pflanzliche	●	■	●	●
Ölsäure (konz.)	●	■	●	■

	PP		PE	
	20°	60°	20°	60°
Oxalsäure (50%)	●	●	●	●
P-Xylol	●	●	●	■
Phenol	●	●	●	●
Perchlorsäure, wäßrig (20%)	●	●	●	●
Perhydrol	●	●	●	●
Petroläther	●	■	●	■
Phosphoroxidchlorid	●	■	●	■
Phosphorsäure (25%)	●	●	●	●
Phosphorsäure (50%)	●	●	●	●
Phosphorsäure (95%)	●	●	●	■
Phthalsäure	●	●	●	●
Pyridin	■	■	●	■
Quecksilber	●	●	●	●
Quecksilberchlorid	●	●	●	●
Säuren, aromatische	●	●	●	●
Salpetersäure (25%)	●	■	●	●
Salpetersäure (50%)	■	▲	▲	▲
Salzsole, gesättigt	●	●	●	●
Schwefel	●	●	●	●
Schwefeldioxyd, trocken	●	●	●	●
Schwefeldioxyd, feucht	●	●	●	●
Schwefelkohlenstoff	■	■	■	■
Schweflige Säure	●	●	●	●
Schwefelsäure (10%)	●	●	●	●
Schwefelsäure (50%)	●	●	●	■
Schwefelsäure (98%)	■	▲	●	▲
Schwefeltrioxyd	▲	▲	▲	▲
Schwefelwasserstoff	●	●	●	●
Seewasser	●	●	●	●
Silbernitrat	●	●	●	●
Soda, kaust. Lösung (40%)	●	●	●	●
Stärke	●	●	●	●
Stearinsäure	●	■	●	■
Sulfate (Na-, K. M. g-, Ca-)	●	●	●	●
Talg	●	●	●	●
Tetralin	■	■	●	■
Tetrachlorkohlenstoff	■	■	■	■
Toluol	■	▲	■	▲
Transformatorenöl	●	■	●	■
Trichloräthylen	■	■	■	▲
Waschmittel, synthet.	●	●	●	●
Wasserstoffsperoxyd (30%)	●	■	●	●
Weinsäure	●	●	●	●
Zinkchlorid	●	●	●	●
Zitronensäure	●	●	●	●