

Általános

A Hakan termékek ellenállnak a különböző savaknak és kloridoknak a polipropilén vegyi tulajdonságainak köszönhetően. Emiatt a Hakan csövek mind kemény, mind lágy vizet képesek szállítani, a klór mennyiségét is a fogyasztási határértéken belül lehet tartani.

Vegy ellenállási charta

Az alábbi táblázat mutatja be a PP-R csövek és fittingek kémiai tulajdonságait.

G : Jó S : Kielégítő Ns : Nem kielégítő

Reagent	Concentration	Temperature C°		
		20c°	60c°	100c°
acetic anyride	100%	G	-	-
acetic di-tri-chloroacetic	sol	G	-	-
acetic acid	up to 40%	G	G	-
acetic acid	50%	G	G	S
acetic glacial acid	over 96%	G	S	NS
acetone	100%	G	S	-
acetophenone anyride	100%	G	S	-
acrylonitrile	100%	G	-	-
air		G	G	G
almond oil		G	-	-
alum	sol.	G	-	-
ammonia (gas)	100%	G	-	-
ammonia (saturated in water)		G	G	-
ammonia liquor	up to 30%	G	G	-
ammonium acetate	sat. sol.	G	G	-
ammonium bicarbonate	sat. sol.	G	G	-
ammonium chloride	sat. sol.	G	G	-
ammonium fluoride	sol.	G	G	-
ammonium hydroxide	sol.	G	-	-
ammonium methaphosphate	sat. sol.	G	G	G
ammonium nitrate	sat. sol.	G	G	G
ammonium phosphate	sat. sol.	G	G	-
ammonium sulphate	sat. sol.	G	G	G
amyl acetate	100%	S	-	-
amyl alcohol	100%	G	G	G
aniline	100%	S	-	-
anisole	100%	S	-	-
apple juice		G	G	-
barium carbonate	sat. sol.	G	G	G
barium chloride	sat. sol.	G	G	G
barium hydroxide	sat. sol.	G	G	G
barium sulphate	sat. sol.	G	G	G
benzoic acid	sat. sol.	G	-	-
benzoyl acid	100%	G	G	-
benzoin alcohol	100%	G	S	-
borax	sol.	G	G	-
boric acid	sat. sol.	G	G	-

Reagent	Concentration	Temperature C°		
		20c°	60c°	100c°
butane	100%	G	G	-
butanol	100%	G	S	S
butyglycol	100%	G	-	-
butyphenol	cold sat. sol.	G	-	-
butly phtalate	100%	G	S	S
calcim carbonate	sat. sol.	G	G	G
calcium chloride	sat. sol.	G	G	G
calcium hydroxide	sat. sol.	G	G	-
calcium nitrate	sat. sol.	G	G	-
carbon doioxide,gaseus,dry	100%	G	G	-
carbon dioxide,gaeus,wet		G	G	-
carbon di-sulphide	100%	NS	NS	NS
carbon tetrachloride	100%	NS	NS	NS
castor-oil	100%	G	G	-
chloroethanol (2-Chlorethanol)	100%	G	-	-
chrome alum	sat. sol.	G	G	-
chromic acid	up to 40%	S	S	NS
citric acid	10%	G	G	G
coconut-oil		G	-	-
corn-oil		G	S	-
cotton-oil		G	S	-
cresol	over 90%	G	-	-
cupric chloride	sat. sol.	G	G	-
cupric nitrate	30%	G	G	G
cupric sulphate	sat. sol.	G	G	-
cyclohexane	100%	G	-	-
cyclohexanol	100%	G	S	-
dextrin	sol.	G	G	-
dextrose	sol.	G	G	-
di-butly phtalate	100%	G	S	NS
di-chloroacetic acid	100%	S	-	-
di-chloroethylene	100%	S	-	-
di-ethanolamine	100%	G	-	-
di-ethyl ether	100%	G	S	-
di-ethylen glycol	100%	G	G	-
di-glycolic acid	sat. sol.	G	-	-
di-isooctyl phtalate	100%	G	S	-
di-methylamine	100%	G	-	-
di-methylformamide	100%	G	G	-
di-octyl phtalate	100%	S	S	-
dioxan	100%	S	S	-
ethanolamine	100%	G	-	-
ethylalcohol (ethanole)	up to 95%	G	G	-
ethylene chloride	100%	NS	NS	-
athyleneglycole	100%	G	G	G
formaldehyde	40%	G	-	-
formic acid	10%	G	G	S

Reagent	Concentration	Temperature C°		
		20c°	60c°	100c°
formic acid	85%	S	NS	NS
formic acid (anhydrous)	100%	S	S	S
fructose	sol.	G	G	G
fruit juice		G	G	G
glucose	20%	G	G	G
glycerine	100%	G	G	G
glycolic acid	30%	G	-	-
hexane	100%	S	S	-
hydrobromic, acid	up to 48%	G	S	NS
hydrocloryc acid	27%	G	G	G
hydrocloryc acid	10%	G	G	-
hydrocloryc acid	30%	G	S	S
hydrocloryc acid	35.76%	G	-	-
hydrocloryc acid, gas, dry	100%	G	G	-
hydrofluoric acid	dil. sol.	G	-	-
hydrofluic acid	40%	G	-	-
hydrogen	100%	G	-	-
hydrogen peoxide	up to 10%	G	-	-
hydrogen peroxide	up to 30%	G	-	-
hydrogen sulphide, gas, dry	100%	G	G	-
iodine (alcoholic solution)		G	-	-
isopropylalcohol	100%	G	G	G
isopropylether	100%	S	-	-
jelly	100%	G	G	-
lactic acid	up to 90%	G	G	-
lanolin		G	S	-
linseed-oil		G	G	-
magnesium carbonate	sat. sol.	G	G	G
magnesium chloride	sat. sol.	G	G	-
mercurous nitrate	sol.	G	G	-
mercury	100%	G	G	-
metly acetate	100%	G	-	-
metly alcohol	5%	G	S	S
metly ethly ketone	100%	G	-	-
metlyamine	up to 32%	G	-	-
milk		G	G	G
monochloracetic acid	over 85%	G	G	-
naphta		G	NS	NS
nickel chloride	sat. sol.	G	G	-
nickel nitrate	sat. sol.	G	G	-
nickel sulphate	sat. sol.	G	G	-
nitric acid	10%	G	NS	NS
nitric acid	30%	S	-	-
nitric acid, fuming		NS	NS	NS
nitrobenzene	100%	G	S	-
olive-oil		G	G	S
oxalic acid	sat. sol.	G	S	NS

Reagent	Concentration	Temperature C°		
		20C°	60C°	100C°
sodium hypochlorite	20%	S	-	-
sodium metaphosphate	sol.	G	-	-
sodium nitrate	sat. sol.	G	G	-
sodium ortho-phosphate	sat. sol.	G	G	-
sodium perborate	sat. sol.	G	-	-
sodium silicate	sol.	G	G	-
sodium sulfide	sat. sol.	G	-	-
sodium sulfite	40%	G	G	G
sodium sulphate	sat. sol.	G	G	-
sodium thiosulphate	sat. sol.	G	-	-
soybean-oil		G	S	-
stannic chloride	sat. sol.	G	G	-
succinic acid	sat. sol.	G	G	-
sulphur dioxide, dry gas	100%	G	-	-
sulphur dioxide, wet gas	100%	G	-	-
sulphuric acid	up to 10%	G	G	G
sulphuric acid	100%	G	G	-
sulphuric acid	50%	G	S	G
sulphuric acid	96%	G	S	NS
sulphurous acid	sol.	G	-	-
tartaric acid	10%	G	G	-
thiophene	100%	G	S	-
trichloroacetic acid	up to 50%	G	G	-
triethanolamine	sat. sol.	G	-	-
urea	sat. sol.	G	-	-
vinegar		G	G	-
water, brackish		G	G	G
water, distilled	100%	G	G	G
water, drinkable		G	G	G
water, mineral		G	G	G
water (sea water)		G	G	G

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