

OCEANZ PA12

Overview of the chemical resistance of PA12 based 3D printed parts

Medium		Concentration	6 months, 20°C	4 weeks, 60°C
Aceton	<i>Aceton</i>	100	++	++
Accu zuur	<i>Battery acid</i>	10	-	--
Mierenzuur	<i>Formic acid</i>		++	o
Ammonia	<i>Ammonia</i>	Concentraat	++	++
Aniline	<i>Aniline</i>	100	+	
Appelsap	<i>Apple juice</i>		++	++
Asfalt	<i>Asphalt</i>		++	++
Bariumzouten	<i>Barium salts</i>		++	++
Benzine	<i>Petrol</i>		++	++
Benzeen	<i>Benzene</i>	100	++	o
Bier	<i>Beer</i>		++	
Remvloeistof	<i>Break fluid</i>		++	++
Butaangas	<i>Butane gas</i>	100	++	++
Butaanvloeistof	<i>Butane liquid</i>	100	++	
Boter	<i>Butter</i>		++	
Chroomzuur	<i>Chromic acid</i>	10	--	--
Cyclohexanon	<i>Cyclohexanone</i>	100	++	o
Dibutylftalaat	<i>Dibutylphthalate</i>		++	++
Diethylether	<i>Diethyl-ether</i>	100	+	
Dioctylftalaat	<i>Dioctylphthalate</i>		++	++
Dixan®Base	<i>Dixan®Base</i>	Useable	++	++
Azijnzuur	<i>Acetic acid</i>	10	++	-
Ethylacetaat	<i>Ethyl-acetate</i>		++	+
Ethanol	<i>Ethyl-alcohol</i>	100	++	+
Vis	<i>Fish</i>		++	
Fluorwaterstofzuur	<i>Hydrofluoric acid</i>	40	-	--
Antivries	<i>Anti freezer</i>		++	++
Afwasmiddel	<i>Dish cleaner</i>		++	++
Glycerine	<i>Glycerine</i>	100	++	++
Glycol	<i>Glycol</i>	100	++	++
Stookolie	<i>Fuel oil</i>		++	++
Koffie	<i>Coffee</i>	50	++	
Kaliumhydroxide	<i>Potassium hydroxide</i>		++	++
Kaliumchloraat	<i>Potassium chlorate</i>		+	o
Kaliumpermanganaat	<i>Potassium permanganate</i>		-	--
Lijnzaadolie	<i>Linseed oil</i>		++	++
Methanol	<i>Methanol</i>	100	++	+
Melk	<i>Milk</i>		++	++
Melkzuur	<i>Lactid acid</i>	10	+	o
Natriumchloride	<i>Sodium-chloride</i>		++	++
Natriumhypochloriet	<i>Sodium-hypochloride</i>	5	+	-
Natriumhydroxide	<i>Sodium hydroxid</i>	50	++	++
Ozon	<i>Ozone</i>		o	
Paraffine	<i>Paraffin</i>	100	++	++
Persil®Base	<i>Persil®Base</i>	useable	++	++
Petroleum	<i>Petroleum</i>	100	++	++
Propaangas	<i>Propane gases</i>	100	++	++
Pyridine	<i>Pyridine</i>	100	++	

Rum	<i>Rum</i>	40	++	++
Salpeterzuur	<i>Nitric acid</i>	10	--	--
Zoutzuur	<i>Salt acid</i>	10	--	--
Groene zeep	<i>Soft soap</i>		++	++
Zwavel	<i>Sulfur</i>	100	++	++
Zwavelzuur	<i>Sulfur acid</i>	10	+	-
Zeewater	<i>Sea water</i>		++	++
Siliconenolie	<i>Silicon oil</i>		++	++
Eetbare olie	<i>Edible oil</i>		++	++
Tolueen	<i>Toluene</i>	100	++	-
Tomatensap	<i>Tomato juice</i>		++	+
Trichloorethyleen	<i>Trichlorethylene</i>	100	o	-
Water	<i>Water</i>	100	++	+
Waterstofperoxide	<i>Hydrogen-peroxide</i>	30	++	
Whiskey	<i>Whiskey</i>	40	++	
Xyleen	<i>Xylene</i>	100	++	o
Citroenzuur	<i>Citric acid</i>		++	o
Citroensap	<i>Lemon juice</i>		++	++
Suikeroplossing	<i>Sugar solution</i>	every	++	++

☐ ++ zeer // very ☐ + vrijwel // mostly ☐ o matig // limited
☐ - nauwelijks // not very ☐ -- niet // not

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