

Resistance of NADIR[®]-membranes

	PES on PE/PP	PSH on PE/PP PESH on PE/PP	PVDF on PET	RC on PET
Aliphatic Hydrocarbons				
Hexane	+	+	+	+
Isooctane	+	+	+	+
Petrolether	++	+	-	-
Cyclohexane	-	--	-	No Data
Aromatic Hydrocarbons				
Holgenated Hydrocarbons				
Ketones/Esters/Ethers				
Alcohol				
Methanol (50 %)	++	-	++	--
Ethanol (70 %)	++	-	++	--
Isopropanol (100 %)	++	-	++	--
Butyl glycol (100 %)	-	-	-	--
Aprotic solvents				
DMF/DMSO/NMP/DMAC	--	--	--	--
Acids				
Hydrochloric acid (5 %)	++	+	--	--
Nitric acid (1 %)	++	+	-	--
Sulphuric acid (5 %)	++	+	--	--
Formic acid (5 %)	++	+	+	+
Acetic acid (25 %)	++	+	+	+
Citric acid (20 %)	++	+	+	+
Bases				
NaOH 0.1N	++	++	-	-
pH-tolerance	0 - 14	1 - 14	1,5 - 11	1 - 11
Free Chlorine				
20 ppm, 20 °C, 60 min	++	++	++	+
200 ppm, 35 °C, 60 min	++	++	++	-
5000 ppm, 60 °C, 60 min	++	--	++	--
Other Chemicals				
Hydrogen Peroxid (1000 ppm)	++	++	++	-
Formaldehyde (1 %)	++	++	++	++
Sodium-bisulphite (1 %)	++	++	++	++

RC = Regenerated Cellulose

PES/PESH = Polyethersulfone

PSH = Polysulfone

PVDF = Poly(vinylidenefluorides)

PE/PP = Polyethylene/Polypropylene

PET = Polyester

++ no change of properties

+ membrane properties might be slightly change

- significant change at short term exposure

-- disintegrates or dissolve

MICRODYN-NADIR behält sich das Recht vor, Angaben ohne vorherige Ankündigung anzupassen.
We reserve the right to change specifications without prior notification.

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