

Polymer	poly(lactide-co-glycolide) (PLGA)	poly(ethylene glycol)-b-poly(lactide-co-glycolide) (PEG-PLGA)	poly(D,L-Lactide) (PDLA)	poly(ethylene glycol)-b-poly(D,L-Lactide) (PEG-P(DL)La)	poly(L-Lactide) (PLLA)	poly(ethylene glycol)-b-poly(L-Lactide) (PEG-PLLA)	poly(caprolactone) (PCL)	poly(ethylene glycol)-b-poly(caprolactone) (PEG-PCL)	poly(glycolide) (PGA)	poly(ethylene glycol)-b-Polyethyleneimine (PEG-PEI)	poly(delta-valerolactone) (PVL)	poly(ethylene glycol)-b-poly(delta-valerolactone) (PEG-PVL)	poly (N-isopropylacrylamide) (PNIPAM)	poly(ethylene glycol)-poly(5-benzoyloxy-trimethylene carbonate) (PEG-P(SBZTMC))	KEY
1,3-Dioxolane	NT	NT	S	S	S	S	NT	NT	X	NT	NT	NT	NT	NT	S - fully soluble
1,4-Dioxane	S	S	S	S	S	S	S	S	X	NT	S	S	NT	NT	P - partially soluble/Swells
2-pyrrolidone	P	P	S	S	NT	NT	P	P	X	NT	P	P	NT	NT	1 - soluble after melting and rapidly quenching
2-Ethoxyethyl acetate	S	S	S	S	P	P	X	X	X	NT	X	X	NT	NT	1 - soluble after melting and rapidly quenching
Acetone	S	S	S	S	X	X	S	S	X	NT	S	S	NT	NT	2 - reverse thermal soluble (more soluble at cold temperatures)
Acetyl acetone	S	S	S	S	P	P	S	S	X	NT	S	S	NT	NT	2 - reverse thermal soluble (more soluble at cold temperatures)
Acetonitrile (ACN)	S	S	S	S	P	P	X	X	X	NT	X	X	NT	NT	3 - soluble if PEG block same size or larger than polyester
Benzene	S	S	S	S	NT	NT	S	S	X	NT	S	S	NT	NT	3 - soluble if PEG block same size or larger than polyester
Benzyl alcohol	P	P	P	P	X	X	S	S	X	NT	S	S	NT	NT	4 - soluble if PEG block substantially larger than polyester
Benzyl benzoate	P	P	S	S	NT	NT	NT	NT	X	NT	NT	NT	NT	NT	4 - soluble if PEG block substantially larger than polyester
Chloroform	S	S	S	S	S	S	S	S	X	NT	S	S	NT	NT	X - insoluble
Diethylene glycol dimethyl ether	S	S	S	S	P	P	X	X	X	NT	X	X	NT	NT	NT - not tested
Diethylene glycol monoethyl ether acetate	S	S	S	S	P	P	X	X	X	NT	X	X	NT	NT	NT - not tested
Dimethyl sulfoxide (DMSO)	S	S	P	P	P	P	X	X	X	NT	X	X	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Dimethylformamide (DMF)	S	S	S	S	S	S	X	X	X	NT	X	X	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Ethyl acetate	S	S	S	S	X	X	P	P	X	NT	P	P	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Ethyl formate	S	S	S	S	P	P	S	S	X	NT	S	S	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Furan	NT	NT	S	S	S	S	S	S	X	NT	S	S	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Isoamyl alcohol	NT	NT	S	S	S	S	NT	NT	X	NT	NT	NT	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Methanol	X	X	X	X	X	X	X	X	X	NT	X	X	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Methyl acetate	S	S	S	S	P	P	S	S	X	NT	S	S	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Methyl ethyl ketone	NT	NT	S	S	S	S	P	P	X	NT	P	P	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Methyl formate	S	S	S	S	P	P	S	S	X	NT	S	S	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
dichloromethane (DCM)	S	S	S	S	S	S	S	S	X	X	S	S	S	S	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
N-Methylpyrrolidone (NMP)	S	S	S	S	P	P	P	P	X	NT	P	P	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
N,N-Dimethylacetamide	P	P	S	S	P	P	S	S	X	NT	S	S	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
N,N-Dimethylalanine	X	X	S	S	X	X	S	S	X	NT	S	S	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Polyethylene Glycol 400	P	P	S	S	X	X	X	X	X	NT	X	X	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Tetrahydrofuran (THF)	P	P	S	S	X	X	S	S	X	NT	S	S	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Toluene	X	X	P	P	P	P	S	S	X	NT	S	S	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Triacetin	S	S	S	S	NT	NT	NT	NT	X	NT	NT	NT	NT	NT	Note: PEG-(polyester): indicates generically any block configuration, triblock or diblock
Tri(ethylene glycol) monomethyl ether	S	S	S	S	P	P	X	X	X	NT	X	X	NT	NT	The data shown here is for informational purposes only. Akina makes no guarantees as to the accuracy of this chart. Not all polymer configurations have been tested.
Xylene	NT	NT	S	S	S	S	P	P	X	NT	P	P	NT	NT	The data shown here is for informational purposes only. Akina makes no guarantees as to the accuracy of this chart. Not all polymer configurations have been tested.
Hexafluoroisopropanol	S	S	S	S	S	S	S	S	1	NT	S	S	NT	NT	The data shown here is for informational purposes only. Akina makes no guarantees as to the accuracy of this chart. Not all polymer configurations have been tested.
Water	0	2,3	X	2,3	X	4	X	2,3	X	S	X	2,3	2	NT	The data shown here is for informational purposes only. Akina makes no guarantees as to the accuracy of this chart. Not all polymer configurations have been tested.