■ 약물전달체계에 사용되는 고분자

Natural Polymers	
Carboxymethylcellulose	Zein
Cellulose acetate phthalate	Nitrocellulose
Ethylcellulose	Propylhydroxycellulose
Gelatin	Shellac
Methylcellulose	Waxes-paraffin
Arabinogalatan	Natural rubber
Starch	Succinylated gelatin
Synthetic Polymers	
Polyvinyl alcohol	Polyavinyl chloride
Polyethylene	Polyacrylate
Polypropylene	Chlorinated polyethylene
Polystyrene	Polyacrylamide
Acetal copolymer	Polyether
Polyurethane	Polyester
Polyvinylpyrrolidone	Polyamide
Poly(p-xylylene)	Polyurea
Polymethylmethacrylate	Epoxy
Polyvinyl acetate	Ethylene vinyl acetate copolymer
Polyhydroxyethyl methacrylate	Polyvinylidne chloride
Synthetic Elastomers	
Polybutadiene	Hydrin rubber
Polyisoprene	Chloroprene
Neoprene	Butyl rubber
Polysiloxane	Nitrile
Styrene-butadiene rubber	Acrylonitrile
Silicone rubber	Ethylene-propylene-diene terpolymer

■ 약물전달체계에 사용되는 고분자의 상표명과 제조원

Chemical Name	Trade Name	Supplier
Polyacrylic acid	Carbopol 940 NF	BFGoodrich
Polyacrylic acid	Carbopol 934 NF	BFGoodrich
Polyacrylic acid	Carbopol 941 NF	BFGoodrich
Carrageenan	Carrageenan 231	FMC Corp.
Carboxymethyl cellulose	CMC-7H	Aqualon
Xanthan gum	Kelzan S	Kelco
Algin	Kelgin HV	Kelco
Magnesium aluminum silicate	Veegum T	R.T. Vanderbilt
Acrylic emulsion	Acrysol ASE-60	Rohm & Haas
Tragacanth gum	Traganth gum	Rhone-Poulenc
Locust bean gum	Locust bean 175	Rhone-Poulenc
Guar gum	Galactasol 416	Aqualon
Hydroxyethyl cellulose	Natrosol Plus 430	Aqualon
Hydroxypropyl methylcelluose	Methocel J12MS	Dow Chemical
Polyethylene oxide	Polyox WSR-301	Union Carbide
Fumed silica	Cab-o-sil M-5	Cabot Corp.

〈한남대학교 고분자공학과 육순홍〉