

## ZEOSphere® Characteristics – HPLC Phase selection by USP listing

USP listing	Phase	Discription	Modification	Particle shape	Product portfolio	Particle Sizes µm
L01	C18 EC	octadecyl silane chemically bonded to porous silica particles 1.8 to 10 µm diameter	Octadecyl, endcapped	Spherical	ZEOSphere 100 C18	5, 10, 15
				Spherical	ZEOSphere 120 C18	5, 10
				Spherical	ZEOSphere 200 C18	10
				Spherical	ZEOSphere 300 C18	10
	C18 NEC	octadecyl silane chemically bonded to porous silica particles 1.8 to 10 µm diameter	Octadecyl, not endcapped	Spherical	ZEOSphere 100 C18	5, 10, 15
				Spherical	ZEOSphere 120 C18	5, 10
				Spherical	ZEOSphere 200 C18	10
				Spherical	ZEOSphere 300 C18	10
L07	C8	octyl silane chemically bonded to totally porous silica particles, 1.8 to 10 µm diameter	Octyl, endcapped	Spherical	ZEOSphere 100 C8	5, 10, 15
				Spherical	ZEOSphere 120 C8	5, 10
				Spherical	ZEOSphere 200 C8	10
				Spherical	ZEOSphere 300 C8	10
L08	NH2	an essentially monomolecular layer of aminopropyl silane chemically bonded to totally porous silica gel support, 3 to 10 µm diameter	Amionopropyl	Spherical	ZEOSphere 100 NH2	5, 10, 15
				Spherical	ZEOSphere 120 NH2	5, 10
				Spherical	ZEOSphere 200 NH2	10
				Spherical	ZEOSphere 300 NH2	10
L10	CN	nitrile groups chemically bonded to porous silica particles, 3 to 10 µm diameter	Cyanopropyl	Spherical	ZEOSphere 100 CN	5, 10, 15
				Spherical	ZEOSphere 120 CN	5, 10
				Spherical	ZEOSphere 200 CN	10
				Spherical	ZEOSphere 300 CN	10
L11	C6H5	phenyl groups chemically bonded to porous silica particles, 3 to 10 µm diameter	Phenyl, Phenyl-hexyl, Phenyl-Butyl	Spherical	ZEOSphere 100 PHE	5, 10, 15
				Spherical	ZEOSphere 100 PHE-HEX	5, 10, 15
				Spherical	ZEOSphere 100 PHE-BUT	5, 10, 15
L20	DIOL	Dihydroxypropane groups chemically bonded to porous silica particles - 5 to 10 micron in diameter.	DIOL	Spherical	ZEOSphere 100 DIOL	5, 10, 15
				Spherical	ZEOSphere 120 DIOL	5, 10
				Spherical	ZEOSphere 200 DIOL	10
				Spherical	ZEOSphere 300 DIOL	10
L26	C4	butyl silane chemically bonded to totally porous silica particles, 5 to 10 µm diameter	Butyl	Spherical	ZEOSphere 100 C8	5, 10, 15
				Spherical	ZEOSphere 120 C8	5, 10
				Spherical	ZEOSphere 200 C8	10
				Spherical	ZEOSphere 300 C8	10
L28	Mixed mode	A multifunctional support, which consists of a high purity, 100 Å, spherical silica substrate that has been bonded with anionic (amine) functionality in addition to a conventional reversed phase C8 functionality	C8 + SAX	Spherical	ZEOSphere DRP 100 Axx	3, 10
				Spherical	ZEOSphere DRP 100 Cxx	3, 10