E-Pos Solventfree and solventborne epoxy resins

Resins	Solids (% m/m)	Viscosity @25°C (mPa.s)	EW (g/Eq)	Colour (Gardner)	Uses and comments
E-Pos 101X75	75	6000-14000	450-500 (a)	≤1	Solid bisphenol A-based resin in xylene solution. For solventbased (anticorrosive) coatings.
E-Pos 327H	100	10000-12000	182-188	≤1	Low viscosity bisphenol A-based resin. For solventfree coatings, civil engineering, composites, electrical applications.
E-Pos 328	100	12000-15000	184-190	≤1	Standard bisphenol A-based resin. For solventfree coatings, civil engineering, composites, electrical applications.
E-Pos 334X80	80	800-1400	230-270 (a)	≤1	Semi-solid bisphenol A-based resin in xylene solution. For solvent-based and high-solids coatings.
E-Pos 362	100	2000-5000	160-180	≤2	Standard bisphenol F-based resin. For solventfree coatings, civil engineering, composites, electrical applications.
E-Pos 433	100	3800-5400	166-179	≤1	Low viscosity bisphenol A/bisphenol F-based resin. Resistant to crystallization. For solventfree coatings, mortars, adhesives, filament winding and electrical insulation.
RD-097	100	6500-9500	174-187	≤1	Medium viscosity bisphenol A/bisphenol F-based resin. Resistant to crystallization. For solventfree coatings, mortars, adhesives, filament winding and electrical insulation.
E-Pos 513	100	700-1100	180-195	≤1	Bisphenol A- based resin diluted with cresylglycidylether. Excellent chemical resistance. For chemically resistant floorings, mortars, adhesives or solvent-free coatings.
E-Pos 514	100	500-800	190-200	≤1	Bisphenol A- based resin diluted with an epoxidised alcohol. Low viscosity, good wetting of substrate and pigments/fillers. For solventfree coatings, civil engineering, electrical applications and adhesives.
E-Pos 516	100	500-900	190-200	≤1	Bisphenol A- based resin diluted with the glycidyl ester of neodecanoic acid. For self-leveling or trowellable floorings, mortars, adhesives or solvent-free coatings.
E-Pos 530	100	800-1500	210-225	≤8	Bisphenol A-based resin diluted with a reactive diluent of natural source. Good chemical and water resistance. Good flexibility. Resistant to crystallization. For civil engineering applications.

E-Pos 540	100	700-1100	185-205	≤1	Bisphenol A/bisphenol F-based resin diluted with an epoxidised alcohol. Good flexibility. For solventfree coatings, civil engineering and electrical applications.
E-Pos 541	100	500-800	185-205	≤1	Low viscosity version of E-Pos 540.
E-Pos 558	100	600-800	170-180	≤1	Bisphenol A/bisphenol F-based resin diluted with a bifunctional reactive diluent. Very good chemical resistance. Resistant to crystallization. For solventfree coatings and civil engineering applications.
RD-0187	100	800-1300	160-175	≤1	Bisphenol A/bisphenol F-based resin diluted with a bifunctional diluent. Excellent mechanical properties. For composites applications, civil engineering formulations and solventfree coatings.
E-Pos 573	100	2800-4000	171-181	≤1	Bisphenol A-based resin diluted with a multifunctional reactive diluent. For composite applications such as laminates.
E-Pos 602X90	90	2000-4000	250-270 (a)	≤3	Modified flexibilised resin. For high-solids (anticorrosive) coatings.
E-Pos 838 / E-Pos 838K80	100 / 80	230-310 (b)	170-190 (a)	≤1	Semi-solid phenol-novolac epoxy resin (also available as 80% solids in MEK (b)). High epoxy functionality, outstanding chemical resistance and high temperature resistance. For adhesives, composites and coatings.
E-Pos 931	100	2000-4000	220 -245	≤1	Cycloaliphatic resin. Excellent UV resistance. For solventfree coatings, e.g. on wood.
E-Pos 941	100	500-1100	159-182	≤1	Cycloaliphatic resinExcellent UV resistance. For heat cure applications, in particular electricals, for outdoor use.

(a) on 100% solid resin (b) 80% MethylEthylKetone solution