



Georgia-Pacific Kemrock International Private Ltd.

Epoxy Resins




PRODUCT CATALOGUE

Liquid Epoxy Resins:

Grade No.	Description	Viscosity (cP @ 25°C)	EEW (g/eq)	Color APHA/Gardner	Hydrolysable Chlorides (%)	Density@ 25°C(g/ml)	Recommended Applications
Epo-Kem 1000	Bisphenol-A based	11,000 to 14,000	182 to 192	75 max	0.1 max	1.17	Flooring, Coating, Adhesives, Casting, Potting, Tooling and Composites
Epo-Kem 1000 E	Bisphenol-A based liquid Epoxy resin	9,000 to 13,000	182 to 192	75 max	0.075 max	1.16	Electrical Potting and casting
Epo-Kem 1000 LV	Modified Liquid Epoxy resin	500 to 700	182 to 192	Gardner color 2 max	0.2 max	1.17	Primer coat, solvent free coating, Flooring screeds and composites
Epo-Kem 1000 FR	Filled Bisphenol-A based Epoxy Resin	10,000 to 17,000	300 to 350	-	0.2 max	1.40	Fire Retardant composites for building and mass transport
Epo-Kem 1010	Low color version of Bisphenol-A based liquid Epoxy resin	11,000 to 14,000	182 to 192	50 max	0.1 max	1.17	General Purpose use, Low colour version of Epo-Kem 1000.
Epo-Kem 1020	Low Viscosity Bisphenol- A based Liquid Epoxy resin	7,000 to 10,000	180 to 190	100 max	0.1 max	1.16	Civil Engineering, Casting and Self level floorings and G11 Laminates
Epo-Kem 1030	High Viscosity Bisphenol-A based Liquid Epoxy resin	16,000 to 25,000	190 to 205	Gardner color 2 max	0.1 max	1.16	Higher viscosity Epoxy resin for Adhesives, and Marine and Protective Coatings.
Epo-Kem 1040	Semi Solid Bisphenol-A based Epoxy resin	400 to 800 [#]	240 to 260	Gardner color 2 max	0.1 max	1.17	Adhesives and Coatings
Epo-Kem 1050	Modified Liquid Epoxy resin	2500 to 4500	178 to 188	Gardner color 2 max	0.2 max	1.15	Hand lay up, Windmill blades
Epo-Kem 1065	Modified Liquid Epoxy resin	500 to 700	178 to 195	Gardener Color 1 max	0.2 max.	1.16	Coating and Composites
Epo-Kem 1080	Modified Liquid Epoxy resin	1500 to 3000	192 to 204	Gardner color 2 max	0.2 max	1.16	Self Level Floorings
Epo-Kem 1100	Modified Liquid Epoxy resin	2500 to 4500	175 to 188	Gardner color 2 max	0.2 max	1.15	Manufacture of pipes, tanks, vessels by Filament Winding.
Epo-Kem 1150*	Modified Liquid Epoxy resin	1000 to 1500	175 to 188	Gardner color 2 max	0.2 max	1.15	Vacuum infusion Windmill blades, RTM and Filament Winding, GL approved
Epo-Kem 1250	Modified Liquid Epoxy resin	1000 to 1500	140 to 160	Gardner color 2 max	0.2 max	1.16	Vacuum infusion tooling and mold making
Epo-Kem 1350	Bonding Paste	60000 to 90000 @30°C	205 to 230	-	0.2 max	1.3	GRP to GRP, GRP to Aluminum and GRP to MS bonding

[#] 70% in butyl carbitol

Epo-Kem 1000 is also food grade approved by CFTRI, Mysore.

* Epo-Kem 1150 is Germanischer Lloyd approved 

Solution Epoxy Resins:

Grade No.	Description	Viscosity (cP @25°C)	EEW# (g/eq)	Color Gardner	Hydrolysable Chlorides (%)	Recommended Applications
Epo-Kem 1675X	Xylene Based Epoxy resin	6,000 to 14,000 @30°C	450 to 500(#)	1 max	0.1 max	Coating application
Epo-Kem 1680X	Xylene Based Epoxy resin	3,000 to 8,000	300 to 350(#)	1 max	0.1 max	Coating application
Epo-Kem 1690X	Xylene Based Epoxy resin	5,000 to 15,000	220 to 255(#)	1 max	0.1 max	Coating application, Civil Engineering
Epo-Kem 1680A	Acetone Based Epoxy resin	1000 to 2000	410 - 460 (#)	1 max	0.1 max	Automotive coatings and G10 Laminates
Epo-Kem 1880A	Acetone Based Epoxy resin	1000 to 3000	410 - 460 (#)	1 max	0.1 max	FR4 Laminates

based on solids

Solid Epoxy Resins:

Grade No.	Description	Softening Point °C	EEW (g/eq)	Color APHA/Gardner	Hydrolysable Chlorides (%)	Recommended Applications
Epo-Kem 1500	Bisphenol-A based Low molecular weight Solid Epoxy resin	63 to 75	450 to 500	100 max	0.1max	Manufacture Vinyl Esters, Chemical and Protective coatings and Encapsulation
Epo-Kem 1500 C	Bisphenol-A based Low molecular weight Solid Epoxy resin	40 to 50	370 to 450	100 max	0.1max	Medium to High voltage insulators
Epo-Kem 1510	Bisphenol-A based High molecular weight Solid Epoxy resin	90 to 105	730 to 820	125 max	0.1max	Powder coatings
Epo-Kem 1515	Bisphenol-A based High molecular weight Solid Epoxy resin	85 to 95	650 to 725	Gardner color 1 Max.	0.1 max	Powder coatings