

About DENACOL

Epoxy of Low Chlorine content (Min. 100ppm)

DENACOL[®] are Epoxy compound with characteristics such as low chlorine, and high purity. These Epoxy are expected to find applications as epoxy-based reactive dilution agents in electronics materials, coatings, etc. where deterioration of quality due to chlorine may become a problem.



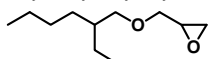
Wide variety of Epoxy

We offer a wide variety of products from Aliphatic Epoxy to Aromatic Epoxy.

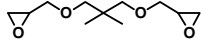
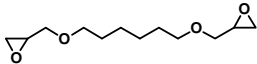
DENACOL[®] Aliphatic Type

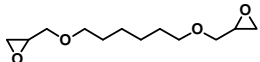
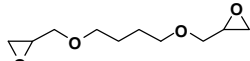
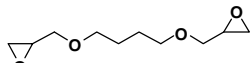
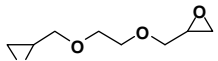
※ Stage information: Commercial=C / Pilot=P / Lab.=L

Mono Functional Epoxy –

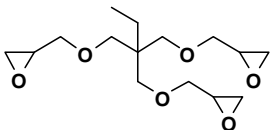
Grade	Model structure	WPE (g/eq)	Total Cl (%)	Viscosity (mPa · s)	Stage
EX-121	2-Ethylhexyl Glycidyl Ether 	187	0.01	4	C

Bi Functional Epoxy -

Grade	Model structure	WPE (g/eq)	Total Cl (%)	Viscosity (mPa · s)	Stage
EX-211L	Neopentyl Glycol Diglycidyl Ether 	130	0.7	20	C
EX-212L	1,6-Hexanediol Diglycidyl Ether 	135	0.4	15	C

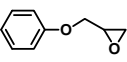
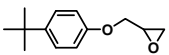
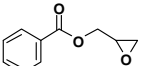
EX-212P	1,6-Hexanediol Diglycidyl Ether 	118	0.04	15	P
EX-214L	1,4-Butanediol Diglycidyl Ether 	115	0.3	15	C
EX-214P	1,4-Butanediol Diglycidyl Ether 	100	0.02	10	P
EX-810P	Ethylene Glycol Diglycidyl Ether 	95	0.01	10	C
EX-946L	Polypropylene Glycol Diglycidyl Ether	320	0.2	50	P
EX-991L	Polyether Glycol Diglycidyl Ether	450	0.05	180	C

Multi Functional Epoxy -

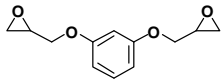
グレード	構造式	WPE (g/eq)	全塩素 (%)	粘度 25℃ (mPa・s)	Stage
EX-321L	Trimethylolpropane Polyglycidyl Ether 	130	0.3	300	C

DENACOL Aromatic Type

Mono Functional Epoxy -

Grade	Model structure	WPE (g/eq)	Total Cl (%)	Viscosity (mPa・s)	Stage
EX-141	Phenyl Glycidyl Ether 	151	0.02	8	C
EX-146P	p-tert-Butylphenyl Glycidyl Ether 	210	0.01	17	C
EX-191P	Glycidyl benzoate 	180	0.1	20	C

Bi Functional Epoxy -

Grade	Model structure	WPE (g/eq)	Total Cl (%)	Viscosity (mPa · s)	Stage
EX-201-IM	Resorcinol diglycidyl ether 	120	0.06	400	C

Basic Properties

(TEST Formulation)

DENACOL	:	10, 20, 30 parts
Bisphenol A type Epoxy(13,000cps)	:	100 parts

(RESULTS)

Grade	Viscosity (@25°C)		
	10 part	20 part	30 part
EX-121	1,720	540	250
EX-211L	3,920	1,840	1,030
EX-212L	2,890	1,210	680
EX-212P	2,470	1,010	520
EX-214L	2,650	1,110	610
EX-214P	2,600	1,100	595
EX-810P	2,320	830	430
EX-946L	5,200	2,850	1,700
EX-991L	4,360	2,430	1,610

Grade	Viscosity (@25°C)		
	10 part	20 part	30 part
EX-141	2,820	1,080	530
EX-146P	4,760	2,290	1,360
EX-191P	3,490	1,440	800
EX-201-IM	7,040	4,900	3,790

Inquiries

#170113R01E



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