



CHANG CHUN PLASTICS CO., LTD.
7TH FL, 301 SONG KIANG ROAD TAIPEI, TAIWAN ROC.
TEL.+886-2-25038131 FAX. +886-2-25018317

Aliphatic Difunctional Epoxy Reactive Diluent

1. Description :

BDGE-125 is a commercial grade, diglycidyl ether of 1,4-butanediol and is primarily used as a reactive diluent or viscosity reducer for all classes of epoxy resins. Resin/diluent blends can be cured using any epoxy resin curing agent.

2. Capacity :

3000 MT/year

3. Typical Properties

Grade.	BDGE-125			
Characteristic	Test Method	Min	Max	Unites
1. Appearance	Visuel	Clear liquid without foreign material		
2. Color (Gardner)	ASTM D-1544	0	1	
3. EEW	ASTM D-1652	120	128	g/eq
4. Chloride Content, Hydrolyzable	ASTM D-1726	0	1500	ppm
5. Viscosity	ASTM D-445	13	16	cps

4. Characteristics

- Reduces viscosity while maintaining most cured state properties
- Improves wetting characteristics
- Facilitates air release
- Provides solubility in ethanol/water solutions

5. Application

- To improve air release and wetting characteristics in electrical, potting, encapsulation, and impregnation applications
- To maintain high reactivity yet provide workable viscosity at room temperature when using novolac or other high functionality epoxy resins
- As a thermosetting resin in textile and paper applications

6. Package :

200kg/drum.

7. Storage:

Storage life : One year (15-35 °C / 35-70 % RH)



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Aliphatic Difunctional Epoxy Reactive Diluent

1. Description :

BDGE-130 is a commercial grade, diglycidyl ether of 1,4-butanediol and is primarily used as a reactive diluent or viscosity reducer for all classes of epoxy resins. Resin/diluent blends can be cured using any epoxy resin curing agent.

2. Capacity :

3000 MT/year

3. Typical Properties

Grade.	BDGE-130			
Characteristic	Test Method	Min	Max	Unites
1. Appearance	Visuel	Clear liquid without foreign material		
2. Color (Gardner)	ASTM D-1544	0	1	
3. EEW	ASTM D-1652	128	135	g/eq
4. Chloride Content, Hydrolyzable	ASTM D-1726	0	1500	ppm
5. Viscosity	ASTM D-445	15	18	cps

4. Characteristics

- Reduces viscosity while maintaining most cured state properties
- Improves wetting characteristics
- Facilitates air release
- Provides solubility in ethanol/water solutions

5. Application

- To improve air release and wetting characteristics in electrical, potting, encapsulation, and impregnation applications
- To maintain high reactivity yet provide workable viscosity at room temperature when using novolac or other high functionality epoxy resins
- As a thermosetting resin in textile and paper applications

6. Package :

200kg/drum.

7. Storage:

Storage life : One year (15-35 °C / 35-70 % RH)



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Aliphatic Difunctional Epoxy Reactive Diluent

1. Description :

HDGE-145 is a commercial grade, diglycidyl ether of 1,6 Hexanediol and is primarily used as a reactive diluent or viscosity reducer for all classes of epoxy resins. Resin/diluent blends can be cured using any epoxy resin curing agent.

2. Capacity :

3000 MT/year

3. Typical Properties

Grade.	HDGE-145			
Characteristic	Test Method	Min	Max	Unites
1. Appearance	Visuel	Clear liquid without foreign material		
2. Color (Gardner)	ASTM D-1544	0	1	
3. EEW	ASTM D-1652	135	152	g/eq
4. Chloride Content, Hydrolyzable	ASTM D-1726	0	1500	ppm
5. Viscosity	ASTM D- 445	14	25	cps

4. Characteristics

- Reduces viscosity while maintaining most cured state properties
- Improves wetting characteristics
- Facilitates air release
- Provides solubility in ethanol/water solutions

5. Application

- To improve air release and wetting characteristics in electrical, potting, encapsulation, and impregnation applications
- To maintain high reactivity yet provide workable viscosity at room temperature when using novolac or other high functionality epoxy resins
- As a thermosetting resin in textile and paper applications

6. Package :

200kg/drum.

7. Storage:

Storage life : One year (15-35 °C / 35-70 % RH)



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Solid Epoxy Resin

1. Description :

BE-501 Solid Epoxy resin is a low molecular weight solid reaction product of liquid epoxy resin and bisphenol A. This resin developed mainly for use in powder coatings. It can be used in both epoxy and epoxy/polyester powder coating applications to improve mechanical and chemical resistance properties.

2. Capacity :

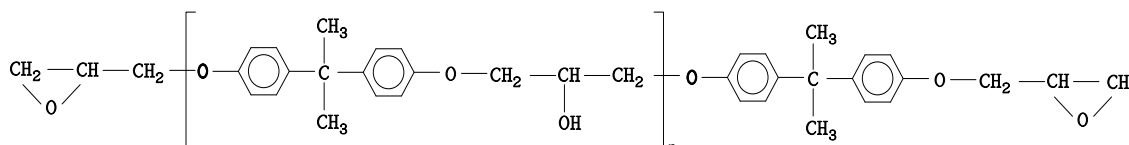
12,000 MT/year

3. Typical Properties

Grade.	BE - 501			
Characteristic	Test Method	Min	Max	Unites
Epoxy Equivalent Weight	ASTM D-1652	450	550	g/eq
Solution Viscosity@25°C ⁽¹⁾	ASTM D-1545	F	K	
Softening Point	ASTM D-3104	62	72	°C
Color (Gardner) ⁽¹⁾	ASTM D-1544	0	1	

(1) 40 wt% in butyl cellosolve

4. Characteristics



5. Application

- Protective Coating
- Linings
- Powder Coating

6. Package :

25kg / PE bag

7. Storage:

This low molecular weight solid epoxy resins be stored in a cool and dry place in its original closed packaging in order to avoid sintering of the material. It should retain its chemical properties for a period of at least 2 years.



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Solid Epoxy Resin

1. Description :

BE-502 Solid Epoxy resin is a low molecular weight solid reaction product of liquid epoxy resin and bisphenol A. This resin developed mainly for use in powder coatings. It can be used in both epoxy and epoxy/polyester powder coating applications to improve mechanical and chemical resistance properties.

2. Capacity :

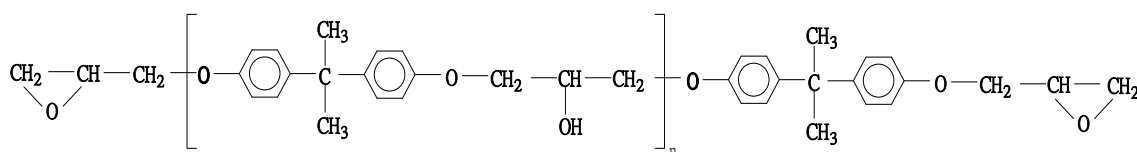
12,000 MT/year

3. Typical Properties

Grade.	BE - 502			
Characteristic	Test Method	Min	Max	Unites
Epoxide Equivalent Weight	ASTM D-1652	600	650	g/eq
Solution Viscosity@25°C ⁽¹⁾	ASTM D-1545	I	M	
Softening Point	ASTM D-3104	82	92	°C
Color (Gardner) ⁽¹⁾	ASTM D-1544	0	1	

(1) 40 wt% in butyl cellosolve

4. Characteristics



5. Application

- Protective Coating
- Linings
- Powder Coating

6. Package :

25kg / PE bag

7. Storage:

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Solid Epoxy Resin

1. Description :

BE-503 Solid Epoxy resin is a low molecular weight solid reaction product of liquid epoxy resin and bisphenol A. This resin developed mainly for use in powder coatings. It can be used in both epoxy and epoxy/polyester powder coating applications to improve mechanical and chemical resistance properties.

2. Capacity :

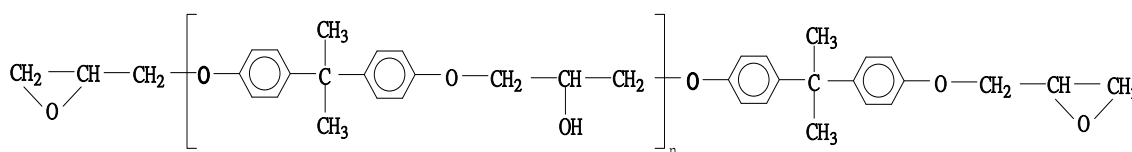
12,000 MT/year

3. Typical Properties

Grade.	BE - 503			
Characteristic	Test Method	Min	Max	Unites
Epoxide Equivalent Weight	ASTM D-1652	740	780	g/eq
Solution Viscosity@25°C ⁽¹⁾	ASTM D-1545	P	S	
Softening Point	ASTM D-3104	92	100	°C
Color (Gardner) ⁽¹⁾	ASTM D-1544	0	1	

(1) 40 wt% in butyl cellosolve

4. Characteristics



5. Application

- Protective Coating
- Linings
- Powder Coating

6. Package :

25kg / PE bag

7. Storage:

This low molecular weight solid epoxy resins be stored in a cool and dry place in its original closed packaging in order to avoid sintering of the material. It should retain its chemical properties for a period of at least 2 years.



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Solid Epoxy Resin

1. Description :

BE-504 Solid Epoxy resin is a low molecular weight solid reaction product of liquid epoxy resin and bisphenol A. This resin developed mainly for use in powder coatings. It can be used in both epoxy and epoxy/polyester powder coating applications to improve mechanical and chemical resistance properties.

2. Capacity :

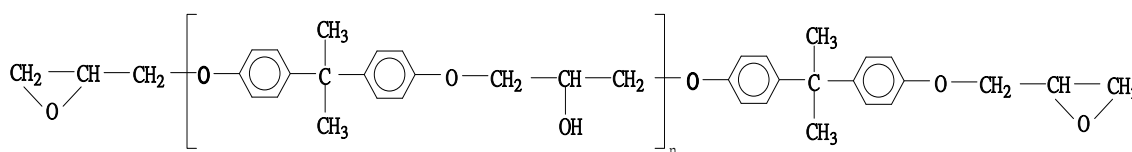
12,000 MT/year

3. Typical Properties

Grade.	BE - 504			
Characteristic	Test Method	Min	Max	Unites
Epoxide Equivalent Weight	ASTM D-1652	780	850	g/eq
Solution Viscosity@25°C ⁽¹⁾	ASTM D-1545	S	W	
Softening Point	ASTM D-3104	96	107	°C
Color (Gardner) ⁽¹⁾	ASTM D-1544	0	1	

(1) 40 wt% in butyl cellosolve

4. Characteristics



5. Application

- Protective Coating
- Linings
- Powder Coating

6. Package :

25kg / PE bag

7. Storage:

This low molecular weight solid epoxy resins be stored in a cool and dry place in its original closed packaging in order to avoid sintering of the material. It should retain its chemical properties for a period of at least 2 years.



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Solid Epoxy Resin

1. Description :

BE-507 Solid Epoxy resin is a moderately high molecular weight solid reaction product of liquid epoxy resin and bisphenol A. It is usually combined with amino- and phenol-formaldehyde resins to achieve the desired film properties. Coatings of this type exhibit outstanding flexibility and adhesion as well as exceptional resistance to chemicals and solvents. This resin developed mainly for use in metal containers linings, interior and exterior can coatings, coil primers and many other industrial applications.

2. Capacity :

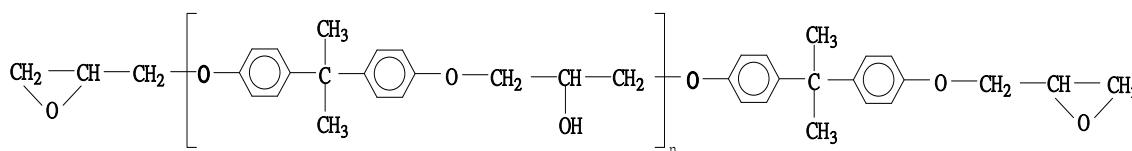
12,000 MT/year

3. Typical Properties

Grade.	BE - 507			
Characteristic	Test Method	Min	Max	Unites
Epoxy Equivalent Weight	ASTM D-1652	1700	2300	g/eq
Solution Viscosity@25°C ⁽¹⁾	ASTM D-1545	Y	Z2	
Softening Point	ASTM D-3104	120	130	°C
Color (Gardner) ⁽¹⁾	ASTM D-1544	0	1	

(1) 40 wt% in butyl cellosolve

4. Characteristics



5. Application

- Protective Coating
- Linings
- Adhesion

6. Package :

25kg / PE bag

7. Storage:

This high molecular weight solid epoxy resins should retain its chemical properties for a period of at least 2 years.



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Solid Epoxy Resin

1. Description :

BE-509 Solid Epoxy resin is a very high molecular weight solid reaction product of liquid epoxy resin and bisphenol A. It is usually combined with amino- and phenol-formaldehyde resins to achieve the desired film properties. Coatings of this resin exhibit outstanding flexibility and adhesion as well as exceptional resistance to chemicals and solvents. This resin developed mainly for use in metal containers linings, interior and exterior can coatings, coil primers and many other industrial applications.

2. Capacity :

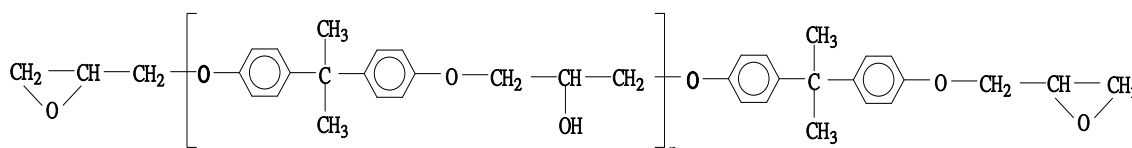
12,000 MT/year

3. Typical Properties

Grade.	BE - 509			
Characteristic	Test Method	Min	Max	Unites
Epoxy Equivalent Weight	ASTM D-1652	2300	3800	g/eq
Solution Viscosity@25°C ⁽¹⁾	ASTM D-1545	Z2	Z5	
Softening Point	ASTM D-3104	130	140	°C
Color (Gardner) ⁽¹⁾	ASTM D-1544	0	1	

(1) 40 wt% in butyl cellosolve

4. Characteristics



5. Application

- Protective Coating
- Linings
- Adhesion

6. Package :

25kg / PE bag

7. Storage:

This high molecular weight solid epoxy resins should retain its chemical properties for a period of at least 2 years.