

EPOSIR[®] 7103

PRODUCT DATA
SHEET
RE/7103/109801/1

Description

Bifunctional reactive epoxy aliphatic diluent.

Applications

Reactive diluent in epoxy resin systems.

Sales specification

Property	Value	Unit	Method
Epoxy equivalent weight	320 – 450	g.	ISO 3001
Dynamic viscosity at 25°C	30 – 110	mPa.s.	ASTM D 0445
Gardner colour	6 max	Sc. Pt/Co	ASTM D 1209

Typical Properties

Property	Value	Unit	Method
Density at 25°C	1.04	g/cm ³	ASTM D 1475

Supply Form

- Drums 220 Kg
- Bulk
- Containers.

Storage stability

The product should be stored in the original containers, in dry ambient, protected against light and direct sun-rays, at temperature ranging from 15 to 30°C. In these conditions it is stable for one year.

Safety

The product is not flammable and we haven't noticed any toxic effects.
Further advice are given in the safety data sheet.

Eposir[®]: SIR INDUSTRIALE registered trade mark.

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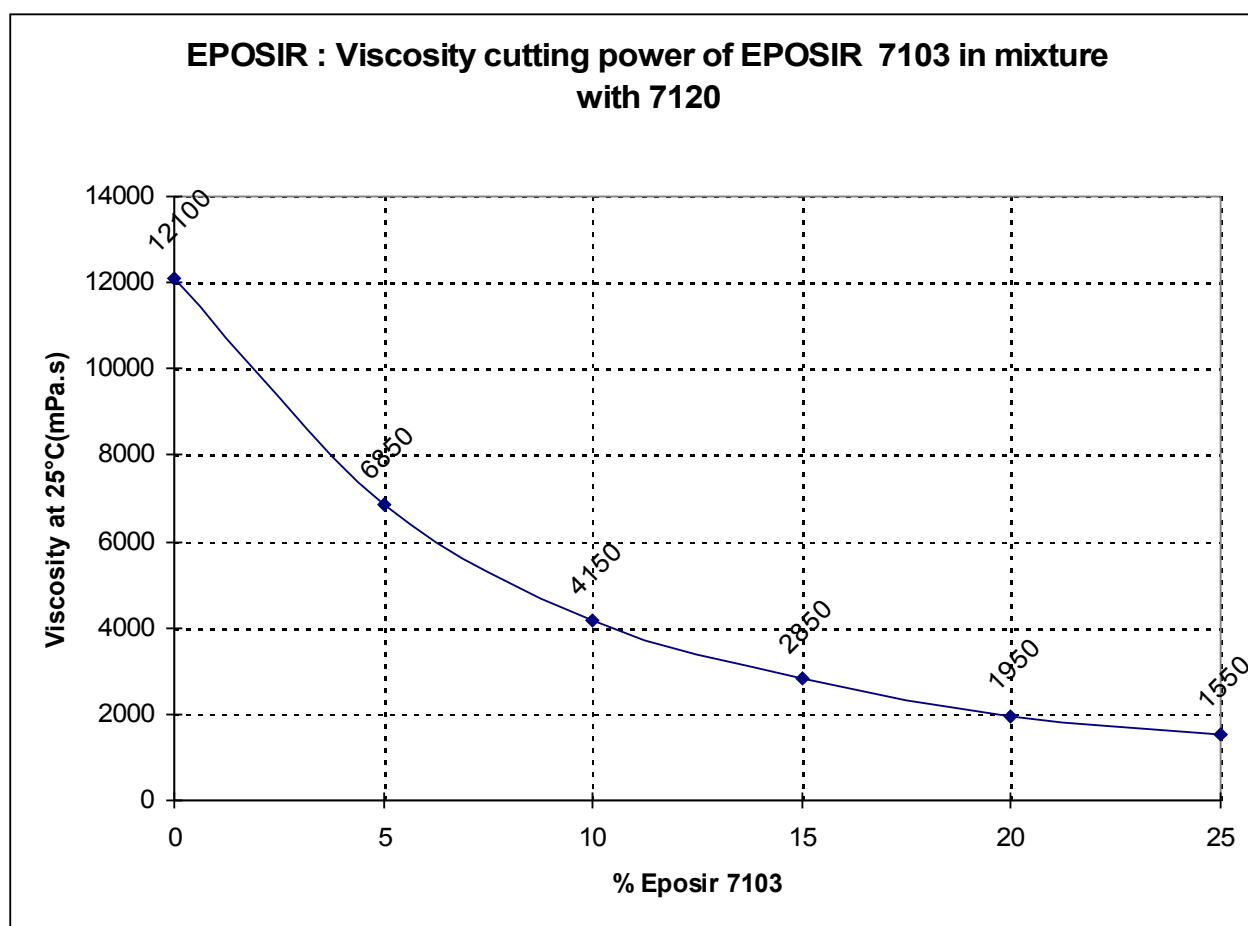
EPOSIR[®] 7103

APPLICATION
DATA
RE/7103/109801/1

Application characteristics

Eposir 7103 gives a high flexibility to epoxy products. Mixed together with Eposir 7120 exerts a moderate viscosity cutting power in the epoxy part of the formulation.

In the following graphic it is reported the viscosity trend measured at 25°C vs. the quantity of Eposir 7103 blended with Eposir 7120.



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EPOSIR[®] 7105

PRODUCT DATA
SHEET
RE/7105/019901/1

Description

Reactive epoxy aromatic cresyl glycidil ether diluent.

Applications

Reactive diluent in epoxy resin systems.

Sales specification

Property	Value	Unit	Method
Epoxy equivalent weight	170 – 190	g.	ISO 3001
Dynamic viscosity at 25°C	7 – 10	mPa.s.	ASTM D 0445
Gardner colour	3 max	Sc. Pt/Co	ASTM D 1209

Typical Properties

Property	Value	Unit	Method
Density at 25°C	1.14	g/cm ³	ASTM D 1475

Supply Form

- Drums 220 Kg
- Bulk
- Containers.

Storage stability

The product should be stored in the original containers, in dry ambient, protected against light and direct sun-rays, at temperature ranging from 15 to 30°C. In these conditions it is stable for one year.

Safety

The product is not flammable and we haven't noticed any toxic effects.
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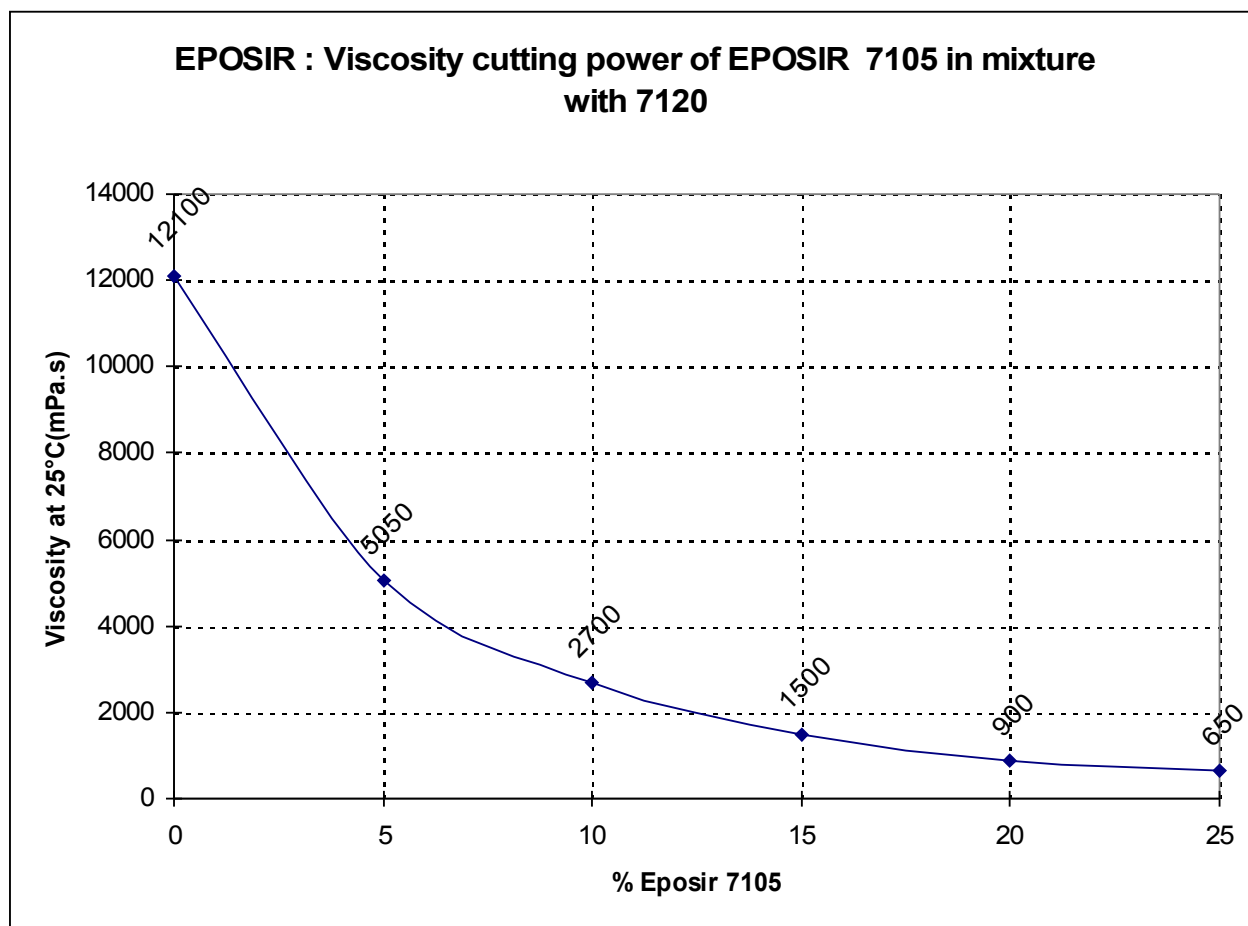
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Application characteristics

Eposir 7105 gives strength to epoxy products. Mixed together with Eposir 7120 exerts a very good viscosity cutting power in the epoxy part of the formulation.

In the following graphic it is reported the viscosity trend measured at 25°C vs. the quantity of Eposir 7105 blended with Eposir 7120.



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EPOSIR[®] 7106

PRODUCT DATA
SHEET
REM/7106/011901/1

Description

Monofunctional reactive aliphatic diluent C12 - C14 alkyl glycidyl ether.

Applications

Reactive diluent in epoxy resin systems.

Sales specification

Property	Value	Unit	Method
Epoxy equivalent weight	290 - 340	g.	ISO 3001
Viscosity at 25°C	7 - 15	mPa.s.	ASTM D 0445
Colour	1 max	Gardner Sc.	ASTM D 1544

Typical Properties

Property	Value	Unit	Method
Density at 25°C	0.89	g/cm ³	ASTM D 1475

Supply Form

- Drums 180 Kg – IBC 1 MT - Bulk.

Storage stability

The product should be stored in the original containers, in dry ambient, protected against light and direct sun-rays, at temperature ranging from 15 to 30°C. In these conditions it is stable for one year.

Safety

For professional and industrial use only. Before using the material, it is recommended to follow the industrial hygiene procedures and safety instructions by consulting the corresponding product safety data sheet.

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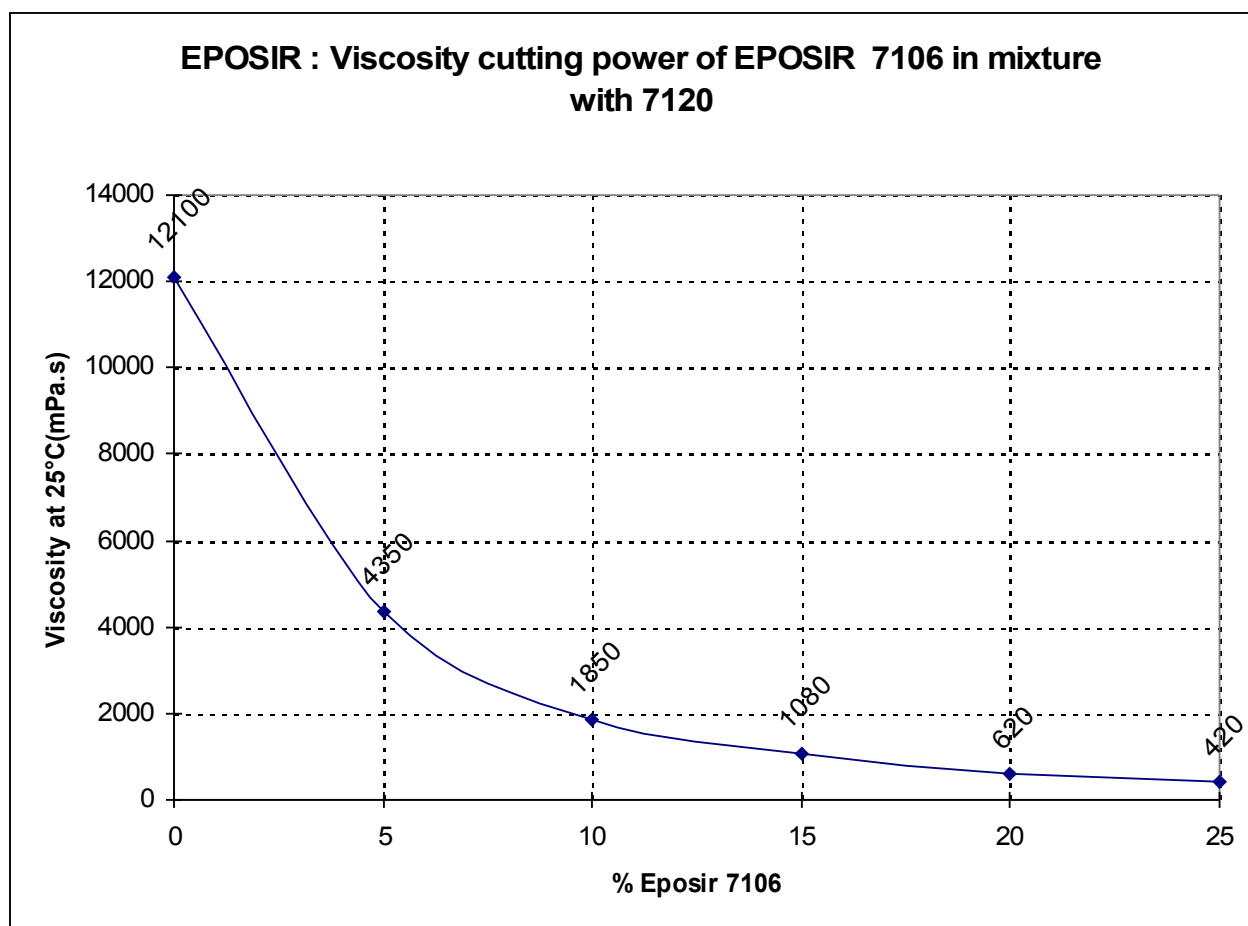
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Application Characteristics

Eposir 7106 gives flexibility to epoxy products. Mixed together with Eposir 7120 exerts a high viscosity cutting power in the epoxy part of the formulation.

In the following graphic it is reported the viscosity trend measured at 25°C vs. the quantity of Eposir 7106 blended with Eposir 7120.



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EPOSIR[®] 7107

PRODUCT DATA
SHEET
REM/7107/121801/1

Description

Reactive aliphatic diluent 1,4-Butane diol diglycidyl-ether.

Applications

Reactive diluent in epoxy resin systems.

Sales specification

Property	Value	Unit	Method
Epoxy equivalent weight	120 – 140	g.	ISO 3001
Viscosity at 25°C	10 – 25	mPa.s.	ASTM D 0445
Colour	2 max	Gardner Sc.	ASTM D 1544

Typical Properties

Property	Value	Unit	Method
Density at 25°C	1,10	g/cm ³	ASTM D 1475

Supply Form

- Drums - 220 Kg. - Bulk

Storage stability

The product should be stored in the original containers, in dry ambient, protected against light and direct sun-rays, at temperature ranging from 15 to 30°C. In these conditions it is stable for one year.

Safety

For professional and industrial use only. Before using the material, it is recommended to follow the industrial hygiene procedures and safety instructions by consulting the corresponding product safety data sheet.

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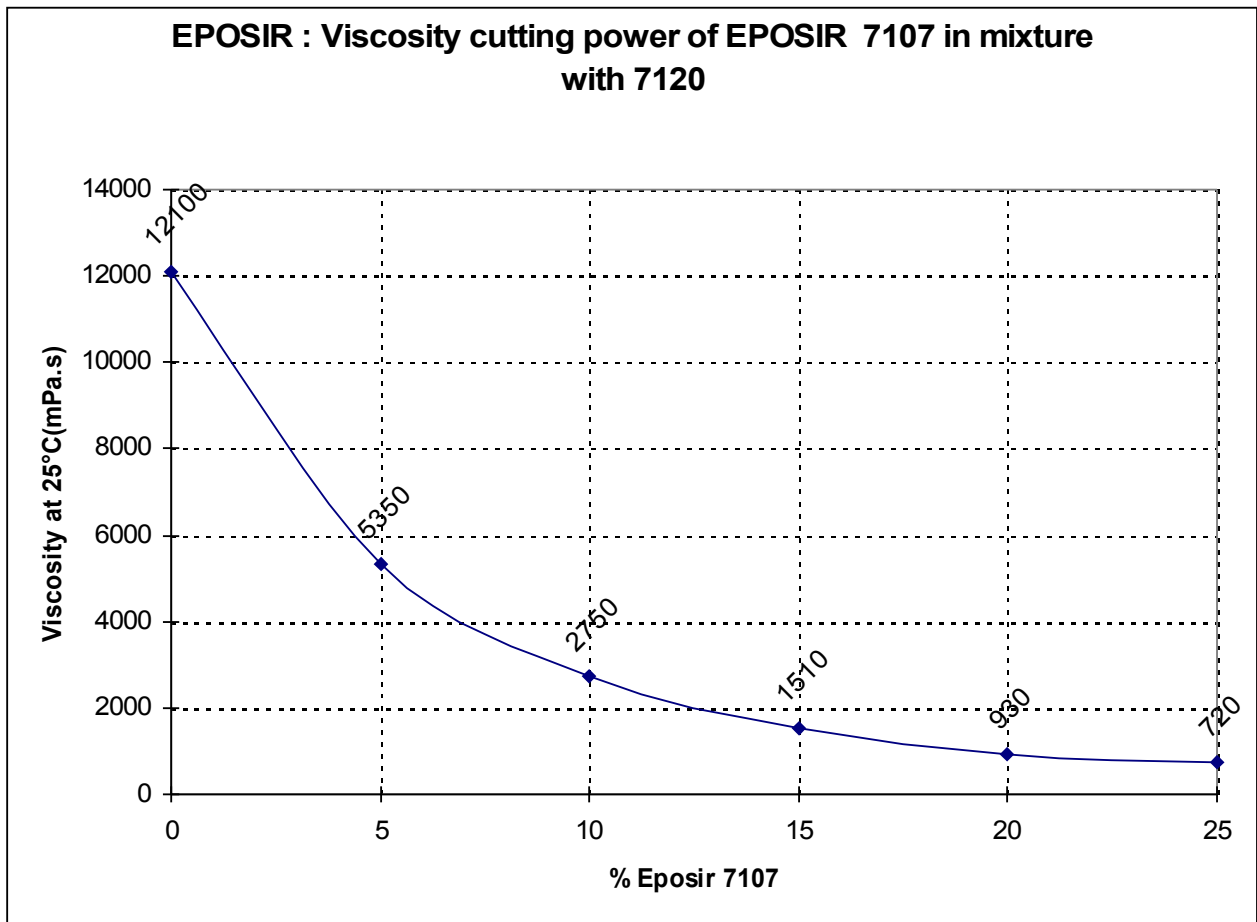
EPOSIR[®] 7107

APPLICATIONS
DATA
REM/7107/121801/2

Application characteristics

Eposir 7107 gives good strength to epoxy products. Mixed together with Eposir 7120 it exerts a good viscosity cutting power in the epoxy part of the formulation.

In the following graphic it is reported the viscosity trend measured at 25°C vs. the quantity of Eposir 7107 blended with Eposir 7120.



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EPOSIR[®] 7109

PRODUCT DATA
SHEET
REM/7109/10161/1

Description

Reactive aliphatic diluent 1,6-Hexanediol-diglycidyl-ether.

Applications

Reactive diluent in epoxy resin systems.

Sales specification

Property	Value	Unit	Method
Epoxy equivalent weight	150 – 170	g.	ISO 3001
Viscosity at 25°C	20 – 30	mPa.s.	ASTM D 0445
Colour	1 max	Gardner Sc.	ASTM D 1544

Typical Properties

Property	Value	Unit	Method
Density at 25°C	1,06	g/cm ³	ASTM D 1475

Supply Form

- Drums 200 Kg – IBC 1 MT - Bulk.

Storage stability

The product should be stored in the original containers, in dry ambient, protected against light and direct sun-rays, at temperature ranging from 15 to 30°C. In these conditions it is stable for one year.

Safety

The product is not flammable and we haven't noticed any toxic effects.
Further advice is given in the safety data sheet.

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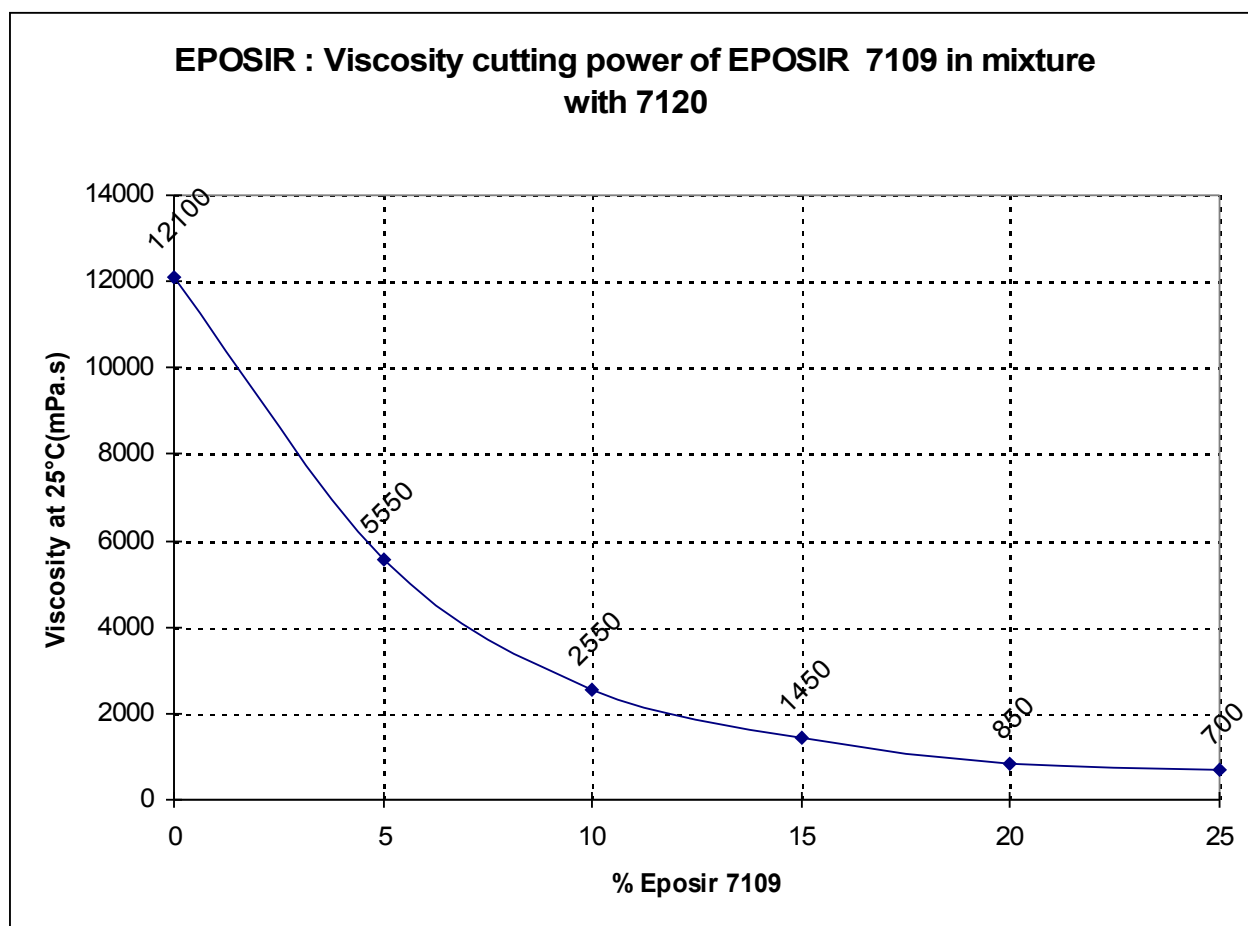
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Application characteristics

Eposir 7109 gives flexibility and strenght to epoxy products. Mixed together with Eposir 7120 it exerts a good viscosity cutting power in the epoxy part of the formulation.

In the following graphic it is reported the viscosity trend measured at 25°C vs. the quantity of Eposir 7109 blended with Eposir 7120.



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EPOSIR[®] 7110

PRODUCT DATA
SHEET
REM/7110/061201/1

Description

Polypropylenglycol-2000-diglycidylether. High molecular weight bi-functional reactive epoxy aliphatic modifier.

Applications

Reactive modifier in epoxy resin systems. Improved flexibility and impact resistance. Building block intermediate polymer for organic synthesis.

Sales specification

Property	Value	Unit	Method
Epoxy equivalent weight	900 – 1250	g.	ISO 3001
Dynamic viscosity at 25°C	150 – 400	mPa.s.	ASTM D 0445
Gardner colour	5 max	Sc. Pt/Co	ASTM D 1209

Typical Properties

Property	Value	Unit	Method
Density at 25°C	1.02	g/cm ³	ASTM D 1475

Supply Form

- Drums 220 Kg
- Bulk
- Containers.

Storage stability

The product should be stored in the original containers, in dry ambient, protected against light and direct sun-rays, at temperature ranging from 15 to 30°C. In these conditions it is stable for one year.

Safety

The product is labelled as not Harmful and we haven't noticed any toxic effects. Further advice is given in the safety data sheet.

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EPOSIR[®] 8103

PRODUCT DATA
SHEET
REM/8103/111701/1

Description

Trimethylolpropane triglycidyl ether. Polyfunctional aliphatic reactive diluent for epoxy resins.

Applications

Reactive diluent in epoxy resin systems.

Sales specification (provisory)

Property	Value	Unit	Method
Epoxy equivalent weight	130 – 150	g.	ISO 3001
Viscosity at 25°C	120 – 200	mPa.s.	ASTM D 0445
Colour	2 max	Gardner Sc.	ASTM D 1544

Typical Properties

Property	Value	Unit	Method
Density at 25°C	1.15	g/cm ³	ASTM D 1475

Supply Form

- Drums - 220 Kg.

Storage stability

The product should be stored in the original containers, in dry ambient, protected against light and direct sun-rays, at temperature ranging from 15 to 30°C. In these conditions it is stable for one year.

Safety

The product is labelled as Irritant and we haven't noticed any toxic effects.
Further advices are given in the safety data sheet.

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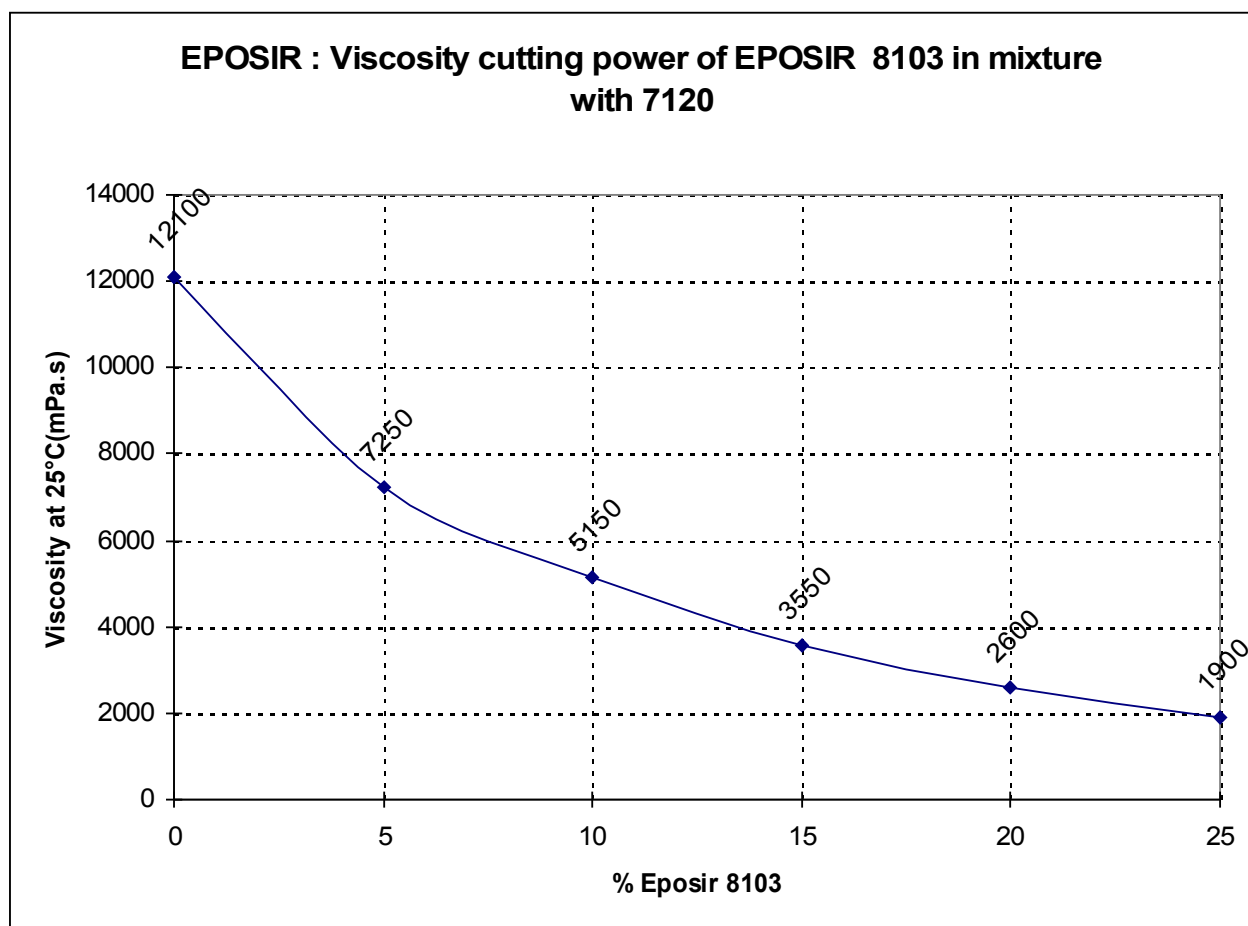
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Application Characteristics

Eposir 8103 gives strength to epoxy products. Mixed together with Eposir 7120 exerts a high viscosity cutting power in the epoxy part of the formulation.

In the following graphic it is reported the viscosity trend measured at 25°C vs. the quantity of Eposir 8103 blended with Eposir 7120.



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EPOSIR® 8106

PRODUCT DATA
SHEET
REM/8106/030901/1

Description

Monofunctional epoxy reactive diluent based on C13-C15 alkyl glycidyl ether.

Applications

Very good cutting power viscosity in blend with con Eposir 7120, F 556, F 602/T. Similar to 7106, but with better crystallisation resistance to low temperature.

Sales specifications

Property	Value	Unit	Method
Epoxy equivalent weight	330 – 370	g/eq.	ISO 3001
Dynamic viscosity at 25°C	8 – 15	mPa.s	ASTM D 0445
Colour	1 max.	Sc. Gardner	ASTM D 1544

Typical properties

Property	Value	Unit	Method
Densità a 25°C	0.89	g/cm ³	ASTM D 1475

Supply form

Drums 180 kg – IBC 1 MT - Bulk.

Storage stability

The product should be stored in the original containers, in dry ambient, protected against light and direct sun-rays, at temperature ranging from 15 to 30°C In these conditions it is stable for one year.

Safety

The product is labelled as Irritant and Dangerous for the environment. We have not noticed any toxic effects. Further advice is given in the safety data sheet

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EPOSIR[®] 8106

APPLICATION
REM/8106/030901/2

Applications.

Eposir 8106 gives flexibility to epoxy preparations. Mixed together with Eposir 7120 supplies a high viscosity cutting power in the epoxy component of the formulation.

In the following graphic it is reported the viscosity trend measured at 25°C vs. the quantity of Eposir 8106 blended with Eposir 7120.

