

SYDNEY

25 – 27 Green St
East Botany, NSW 2019
Ph: +61 2 9666 3788
Fax: +61 2 9666 4805

MELBOURNE

29 Trade Place
Vermont, VIC 3133
Ph: 03 9872 4033
Fax: 03 9872 4099

BRISBANE

Unit 6/5 Deakin Street
Brendale, QLD 4500
Ph: 07 3205 8510
Fax: 07 3205 9616

SINGAPORE

H.K. Moey
9 Elias Terrace
Singapore 519772
Ph: +65 6582 8103
Fax: +65 6584 8100
Mobile: +65 9751 0026



TECHNICAL DATA

Erathane GP160

GENERAL PURPOSE POLYURETHANE FOAM

Erathane GP160 is a high-density rigid polyurethane foam product for pour in place applications. The formulation contains fire-retardant and has a nominal free-rise density of 160 kg/m³.

This product has been designed for use in structural applications, such as resin and fibreglass reinforces sandwiched riggers. This product can be hand drill mixed (2000 – 3000 rpm) or processed through a plural polyurethane dispensing unit. We recommend and sell the range of GUSMER and CANNON equipment.

COMPONENT PROPERTIES

Tested @ 20°C	Polyol	Isocyanate
Appearance	Clear, amber coloured liquid	Brown liquid
Brookfield Viscosity (cps)	4600	250
Specific Gravity (g/ml)	1.14	1.22

REACTION PROFILE

Mix Ratio by Weight (Polyol:Iso)	100:100
Mix Time (seconds)	20
Cream Time (seconds)	45
Gel Time (seconds)	230
Tack Free Time (seconds)	355
Free Rise density (kg/m³)	160

TYPICAL PHYSICAL PROPERTIES

Properties presented below are to be used as a guide and not intended for specification purposes.

Foamed Density (kg/m³)	186	
Compressive stress @ 10% (kPa) Parallel to the rise	2700	(Based on AS2498.3)
Compressive stress @ 10% (kPa) Perpendicular to the rise	2750	(Based on AS2498.3)
Closed Cell Content (%)	>90	(Based on AS2498.7)
Thermal Conductivity-initial (W/mK)	0.036	(Based on ASTM C518)
Flexural strength (MPa)	3.8	(Based on AS2132)

STORAGE CONDITIONS AND HANDLING

The components are sensitive to humidity and should at all times be stored in sealed drums. The recommended storage temperatures are 18-25°C, which will give a normal shelf life of 3 months. At elevated temperatures problems may arise with pressure build-up within the drums. When opening these drums extreme care must be exercised in releasing the internal pressure. It is recommended that the drum contents should be mixed well before use.

This information is of general nature and is supplied without recommendation or guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.



Era Polymers Pty. Ltd.

A.B.N. 14 003 055 936

erapol@erapol.com.au
www.erapol.com.au

SYDNEY

25 – 27 Green St
East Botany, NSW 2019
Ph: +61 2 9666 3788
Fax: +61 2 9666 4805

MELBOURNE

29 Trade Place
Vermont, VIC 3133
Ph: 03 9872 4033
Fax: 03 9872 4099

BRISBANE

Unit 6/5 Deakin Street
Brendale, QLD 4500
Ph: 07 3205 8510
Fax: 07 3205 9616

SINGAPORE

H.K. Moey
9 Elias Terrace
Singapore 519772
Ph: +65 6582 8103
Fax: +65 6584 8100
Mobile: +65 9751 0026

HEALTH AND PERSONAL PROTECTION

Before handling these chemicals please consult the Material Safety Data Sheets for the two components. The polyol component contains tertiary amines. Contact with the skin or eyes must be avoided. Safety goggles and protective gloves should be worn whenever handling both of the chemicals. Splashes that come into contact with the skin must be wiped off immediately and the contaminated area washed with soap and water. Splashes in the eye must be flushed immediately with plenty of clean running water. If irritation occurs thereafter contact an eye specialist.

GENERAL INFORMATION

At temperatures less than 15°C the reaction rate of **GP160** will be much slower resulting in an increase in density, and reduction in foam yield and quality. Under these conditions we recommend the use of drum heaters or temperature controlled conditions for drums storage.



This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.

Version: 2

Date of Issue: 23/7/2008

Page 2 of 2
Erathane GP160