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TECHNICAL DATA
Greenlink GP70

RIGID POLYURETHANE FOAM

Greenlink GP70 is a rigid polyurethane foam system with a free rise density of 70 kg/m³. This product is designed for general purpose void filling, moulding and structural applications.

Greenlink GP70 is a 2 part polyurethane, that can be processed either by manually drill mixed (@ a minimum speed 2000 rpm) and/or through a plural polyurethane dispensing equipment.

COMPONENT PROPERTIES

Tested @ 20°C	Polyol	Isocyanate
Appearance	Clear, pale brown liquid	Brown liquid
Brookfield Viscosity (cps)	3600	150
Specific Gravity (g/ml)	1.13	1.22

REACTION PROFILE

Mix Ratio by Weight (Polyol:Iso)	100:120
Mix Time (seconds)	20
Cream Time (seconds)	42
Gel Time (seconds)	160
Tack Free Time (seconds)	290
Free Rise density (kg/m³)	70

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.



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TYPICAL PHYSICAL PROPERTIES

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

Foamed Density (kg/m³)	78	
Compressive stress @ 10% (kPa) Parallel to the rise	528	(Based on AS2498.3)
Compressive stress @ 10% (kPa) Perpendicular to the rise	594	(Based on AS2498.3)
Closed Cell Content (%)	>92	(Based on AS2498.7)
Thermal Conductivity-initial (W/mK)	0.028	(Based on ASTM C518)
Flexural strength (MPa)	1.34	(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.

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 **GP70** 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.

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