

TECHNICAL DATASHEET

RIGID 35 is a self-extinguishing rigid polyurethane foam used in general application for light weight products, cores, insulation purposes and buoyancy applications. Processing of **RIGID 35** can be either by hand mixing or dispensed via a low- or high-pressure machine. **RIGID 35**, when mixed correctly with MR200, yields a closed cell rigid polyurethane foam with good physical properties and dimensional stability. Suitability for application must be examined by user before commercial use. **RIGID 35** can either be used in a closed mould with overpacking or as a free rise foam.

Product Specification

	RIGID 35 POLYOL	MR200 ISOCYANATE
Specific Gravity at 25°C	1.12	1.24
Viscosity at 20°C (cPs)	225 - 375	200 - 300
Appearance	Straw coloured liquid	Dark brown liquid

Mixing and Curing Conditions

		RIGID 35 / MR200
RIGID 35 POLYOL	(pph)	100
MR200 ISOCYANATE	(pph)	100
RIGID 35 Temperature	(°C)	20
MR200 Temperature	(°C)	20
Cream Time	(secs)	32 - 36
Gel Time	(secs)	125 - 140
Rise Time	(secs)	240 - 260
Tack Free Time	(secs)	220 - 250
Free Rise Density (core) (reef)	(kg/m ³)	35 - 38
Free Rise Density (core) (coastal)	(kg/m ³)	38 - 43

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.

Handling Precautions

RIGID 35 is a preparation based on polyols that contain, among other substances, a small percentage of tertiary aliphatic amines. Because of its alkaline character, **RIGID 35** may cause slight to moderate irritation when it comes into contact with the skin, the eyes and the mucous membranes, particularly if this contact is prolonged. Safety goggles and impermeable protective gloves should always be worn if there is a risk of direct exposure when handling **RIGID 35**. Splashes that come into contact with the skin, must be wiped off immediately and the contaminated areas must be thoroughly washed with soap and water. Subsequently these areas should be treated with a good barrier cream.

To prevent further contact with the skin, contaminated clothing should be changed immediately and thoroughly cleaned before reuse. The product must be kept away from foodstuffs.

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