



Unit 3, 1 Hamburg Rd
Apex Benoni
P.O.Box 131118
Northmead 1511
Tel: +27 11 421 0313
Fax: +27 11 421 0410
www.rigifoam.com

POLYURETHANE RIGID FOAM DATA SHEET

GENERAL

RIGIFOAM PU32HC is a Polyurethane (PU) rigid foam offering the highest performance for the following applications:

- Thermal Insulation
- Refrigerated/Insulated Truck Bodies
- Cold Room Panels (Core)
- Buoyancy
- Decorative Designing
- Tank Containers

CHARACTERISTICS

- **RIGIFOAM PU32HC** contains blowing agents with zero ozone depletion potential as per the Montreal protocol on the protection of the ozone layer.
- **RIGIFOAM PU32HC** has excellent thermal conductivity and very high compressive strength in relation to other insulation materials.
- **RIGIFOAM PU32HC** can be supplied in sheet or pipe section form, to suite application requirements.
- **RIGIFOAM PU32HC** has a low level of water soluble chlorine, less than 30 ppm.
- **RIGIFOAM PU32HC** is dimensionally stable in the range -120°C to $+120^{\circ}\text{C}$.
- **RIGIFOAM PU32HC** is chemical resistant, therefore, giving a wide range of lamination procedures and adhesives (refer data sheet **Rigibond5**)
- **RIGIFOAM PU32HC** has a high level of closed cells, therefore, offering high levels of buoyancy.

TECHNICAL DATA

DESCRIPTION :

Rigid Polyurethane Closed Cell foam can be supplied in sheet form (slab stock) or pipe sections.



Members: D. Goldsmith, M. Yacoby, W.P. Goldsmith, B.Elliott



Unit 3, 1 Hamburg Rd
Apex Benoni
P.O.Box 131118
Northmead 1511
Tel: +27 11 421 0313
Fax: +27 11 421 0410
www.rigifoam.com

DENSITY :

32kg/m³ – minimum density. Core sample may exhibit variations of up to 10%. Test to SABS 1383 of 1983 – Part 5.6

COMPRESSIVE STRENGTH :

Parallel to rise :

RIGIFOAM PU32HC 250 kPa

Perpendicular to rise :

RIGIFOAM PU32HC 150kPa

Variation of 10% may be found. SABS 1383 Part 5.7

CLOSED CELL CONTENT :

Minimum value : 90%. SABS 1383 of 1983 – Part 5.8

THERMAL CONDUCTIVITY :

At 10°C : 0.024w/m² °C.

DIMENSIONAL STABILITY :

At -15°C	Dimension Change : <1%
At 100°C	Dimension Change : <2%

FIRE PERFORMANCE :

RIGIFOAM PU32HC is fire retarded and is self extinguishing.

DIMENSIONAL TOLERANCE :

Conforms to SABS 1383

Length and Width	+/-2.5mm
Thickness	+/-1.5mm



Unit 3, 1 Hamburg Rd
Apex Benoni
P.O.Box 131118
Northmead 1511
Tel: +27 11 421 0313
Fax: +27 11 421 0410
www.rigifoam.com

DISAVOWAL :

The information set forth herein is furnished free of charge and is based on technical data that **RIGIFOAM** believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since some conditions of use are outside our control, we make no warranties, express or implied, and assume no liabilities in connection with any use of this information. Nothing herein is to be taken as a licence to operate under or a recommendation to infringe any patent.