# **Product data sheet**

# PBK PROFILERS RIGID POLYURETHANE FOAM SHEET



## MEDIUM DENSITY RIGID POLYURETHANE FOAM SHEET

#### **DESCRIPTION:**

PBK PROFILERS Medium density rigid polyurethane foam sheet is 90-95% closed cell, highly energy efficient insulation medium with the versatility to be used in a wide variety of building, construction, manufacturing and composite design applications.

PBK PROFILERS Medium density foam sheet is available in a wide range of sheet sizes, pipe sections and facings, and can be provided in custom cut lots to meet design requirements.

#### **PHYSICAL PROPERTIES:**

\*Excellent thermal insulation\*

\*Good mechanical strength\*

\*Design versatility\*

\*Compatible with polyester & epoxy resin for lightweight composites\*

## Typical Properties of cut sheet:

Density 55-60 kg/m³

Thermal Conductivity 0.025 W/mK

 Compressive Strength 330 kPa (Parallel to rise)
 Compressive Strength 220 kPa (Perpendicular to rise)

• Closed Cell content 90-95%

Dimensional Stability @100% humidity
 24 hrs @ -30°C
 0 to 1%
 24 hrs @ 70°C/100% RH
 0 to 3%

Water Absorption (23°C kgs/m²) 0.49

#### **RECOMMENDED USES:**

PBK PROFILERS Medium density rigid PU foam sheet is primarily used where its' outstanding insulation, strength, light weight and ease of use are required to achieve high performance end products.

Building and construction, marine, road and rail transport, manufacturing, food processing and storage are but a few examples of industries utilising sheet foam material.

## **Applications include:**

Decorative building panels Insulated building panels Roofing and re-roofing design Underfloor insulated sheet Refrigerated transport trailers Refrigerated rail and sea containers Pre-cut insulation for pipe lines Commercial display cabinets Walk-in coolers/freezers Fish holds & freezers Insulation panels for:timber treatment kilns low cost housing energy efficient environments Laminated composites for:boat construction light weight spandrels low cost insulation boards roofing panels partition (facing panel systems materials can be fibreglass, foil, plywood, particle board, board, cement board, long-run steel, galvanised iron, aluminium etc).

Call or fax for any technical assistance or design information you may require.

To the best of our knowledge the technical data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact PBK Profilers Ltd to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to PBK Profilers Ltd quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. Prices and cost data if shown, are subject to change without prior notice. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY THE SELLER, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OR LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.