

# PBK PROFILERS RIGID POLYURETHANE FOAM SHEET

Distributed by:



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## 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/m <sup>3</sup> |
| • Thermal Conductivity                         | 0.025 W/mK              |
| • Compressive Strength (Parallel to rise)      | 330 kPa                 |
| • Compressive Strength (Perpendicular to rise) | 220 kPa                 |
| • 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/m <sup>2</sup> )  | 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 panel systems (facing materials can be fibreglass, foil, plywood, particle board, plaster board, cement board, long-run steel, galvanised iron, aluminium etc).

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