



## RETICULATED FOAM (Filtration)



This Foam has 100% open cells made by thermal reticulation process. The Foam blocks are placed inside high pressure reticulation chamber for charging with gas to convert it in different PPI (pores per linear inch) depending upon the customer needs.

### CHARACTERISTICS

- Ester based Reticulated Foam are stable with petroleum products and thus can be used effectively to mop-up and filter petroleum products
- Ether based Reticulated Foam are not affected by water and thus are ideal for water filtration
- Ester based automotive filters are technically superior than paper filters in terms of efficiency, life as well as reusability

### ABOUT SHEELA FOAM

- A Market Leader in Polyurethane (PU) Foam with pan India presence
- 10 Manufacturing Plants in India
- 6 Manufacturing Plants in Australia, 1 in New Zealand & 1 in Spain
- Equipped with state of the art HENNECKE Foaming machines
- Pioneers in Vertical Variable Pressure Foaming (VPF) – World's most environmentally responsible foam manufacturing.
- Top-of-the-line technical product ranges used in various industry applications
- R&D in-house lab to develop PU foam based solutions
- Supplying globally in many countries

## MAJOR APPLICATIONS

- Filtration and Pre-Filtration of Air, Oil and Water • Ceramic Foam Filters • Outdoor Furniture
- Microphones and Headphones • Safety Fuel Tanks • Ink Cartridges



## Grades & Specifications Reticulated Foam

| Grades | Density (Kg/m <sup>3</sup> ) | "Tensile Strength (Kgf/cm <sup>2</sup> )" | Elongation % | "Hardness (Kgf/323cm <sup>2</sup> @ 50%)" | "Resilience %" |
|--------|------------------------------|---|--------------|---|----------------|
| R28/80 | 28±3                         | ≥1.8                                      | ≥300         | 30±4                                      | ≥22            |
| R28/40 | 28±3                         | ≥1.0                                      | ≥300         | 26±4                                      | ≥20            |
| R28/30 | 28±3                         | ≥1.0                                      | ≥200         | 30±4                                      | ≥20            |
| R28/20 | 28±2                         | ≥1.0                                      | ≥200         | 30±4                                      | ≥20            |
| S28/80 | 28±2                         | ≥1.8                                      | ≥300         | 30±4                                      | ≥22            |
| N40/40 | 40±2                         | ≥1.0                                      | ≥110         | 64±4                                      | ≥36            |

### SHEELA FOAM LTD.

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