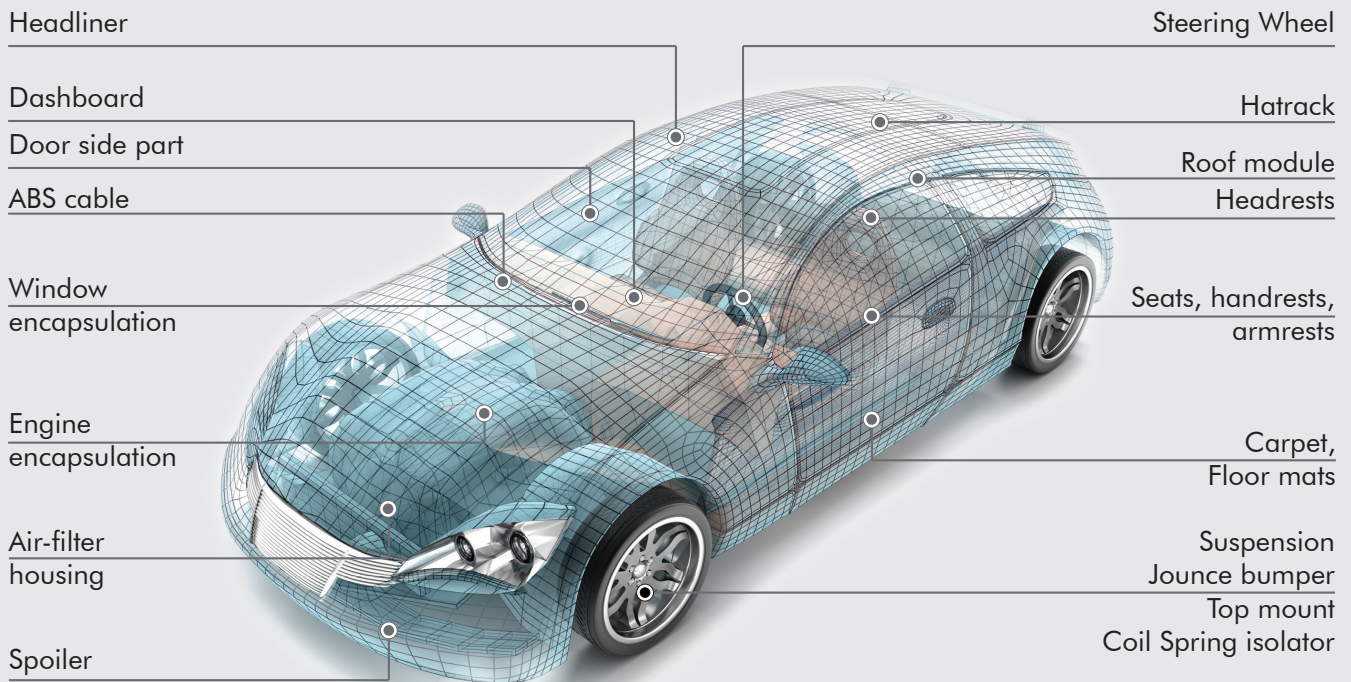


# APPLICATION OF PU FOAM IN AUTOMOTIVE INDUSTRY



Polyurethane foam is an extremely versatile product used in countless applications worldwide. Polyurethane's mechanical properties can be isolated and manipulated through creative chemistry. This creates a number of unique opportunities to solve performance characteristics problems. It can have better hardness, better flexibility and better resistance .

Polyester has higher mechanical strength and is not affected by organic solvents and petroleum products. We are making it with better hydraulic stability.

Most of our foams comply to FMVSS 302 standard for this application. (We offer this for NVH Noise vibration and harshness) applications too.

## CHARACTERISTICS

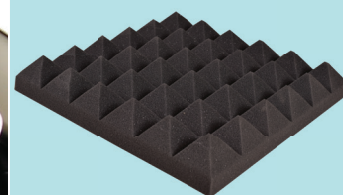
- 100 % pure foam.
- Competitive prices
- Conforms to international RoHS & REACH Standard FMVSS-302 Standards
- A perfect medium for glue lamination
- Free from cancer causing chemicals like Mercury, Lead, Cadmium, Chromium and environment pollutants like PBB and PBDE's

## 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

- Sound and vibration absorption • Sun visors • Headliners
- Door trims • Carpet underlay • Headrest • Air filter



## GRADES & SPECIFICATIONS

| Grade    | Density (kg/m <sup>3</sup> ) | Tensile Strength (Kgf/cm <sup>2</sup> ) | Elongation % | Hardness (kgf /332cm <sup>2</sup> @ 50%) | Resilience % |
|----------|------------------------------|---|--------------|--|--------------|
| 23 HF    | 23±2                         | ≥1.0                                    | ≥75          | 50±5                                     | ≥20          |
| 40 HF    | 40±2                         | ≥1.5                                    | ≥90          | 80±10                                    | ≥20          |
| 60 HF    | 58±4                         | ≥2.0                                    | ≥100         | 100±10                                   | ≥25          |
| 23 SSFFR | 23±2                         | ≥0.60                                   | ≥110         | 18±4                                     | ≥35          |
| 25 FM    | 24±2                         | ≥1.0                                    | ≥180         | 26±4                                     | ≥30          |
| 28 FR    | 28±2                         | 0.70±0.1                                | ≥90          | 26±4                                     | ≥30          |
| 32 FR    | 32±2                         | ≥0.75                                   | ≥100         | 28±4                                     | ≥35          |
| 40 FR    | 40±2                         | ≥0.8                                    | ≥120         | 30±4                                     | ≥25          |

**Certification: SGS Certified-** RoHS test report as per directive (EU) 2015/863 available from recognized testing authority SGS

### SHEELA FOAM LTD.

#### CORPORATE OFFICE:

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