

## 4.0# Polyester Foam

TECHNICAL DATA SHEET | (EFFECTIVE 26FEB21)

### Polyurethane, Polyester

| PHYSICAL PROPERTY             | TEST METHOD                     | UNIT                | VALUE                     |         |
|-------------------------------|---------------------------------|---------------------|---------------------------|---------|
|                               |                                 |                     | MINIMUM                   | AVERAGE |
| Cell Structure                |                                 |                     | Open                      |         |
| Density                       |                                 | lbs/ft <sup>3</sup> | 4.00 ± 10%                |         |
|                               |                                 | kg/M <sup>3</sup>   | 64.1 ± 10%                |         |
| Tensile Strength              |                                 | psi                 | 12.0                      | 20.0    |
|                               |                                 | kPa                 | 83                        | 138     |
| Elongation                    |                                 | %                   | 120                       | 215     |
| Compression Force Deflection  | 25% Deflection                  | psi                 | 0.55                      | 0.65    |
|                               |                                 | kN/M <sup>2</sup>   | 3.8                       | 4.5     |
|                               | 50% Deflection                  | psi                 | 0.65                      | 0.85    |
|                               |                                 | kN/M <sup>2</sup>   | 4.5                       | 5.9     |
| Retention of Tensile Strength | 3 hours, 105°C, Steam Autoclave | %                   | 70                        | --      |
|                               | 22 hours, 140°C, Dry Heat Aging | %                   | 70                        | --      |
| Flammability*                 | FMVSS 302 <sup>+</sup>          | --                  | Meets Requirement of S4.3 |         |
|                               | UL 94 HF-1 <sup>§</sup>         | --                  | Meets Requirement         |         |
| RoHS                          | Directive 2002/95/EC            | --                  | Directive 2002/95/EC      |         |
| REACH                         | REACH (EC1907/2006)             | --                  | Compliant                 |         |

\* The flammability test(s) described in this specification is/are small scale test procedure(s) performed under controlled laboratory conditions, and is/are not intended herein to reflect the hazards presented by this or any other material under actual fire conditions.

+ FMVSS 302 is a test procedure that specifies the burn resistance requirements for material used in the occupant compartments of motor vehicles.

§UL 94 is a test for Flammability of Plastic Materials for Parts in Devices and Applicants