

SF33/190

Medium-Density Firm Polyether Polyurethane Foam

1. PRODUCT DESCRIPTION

A flexible polyether polyurethane foam supplied to the same medium density as SF33 but ordered to a firmer specification, giving markedly higher hardness and a lower compression set. The material is manufactured to meet the requirements of Schedule 1, Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended).

2. FIRE PERFORMANCE

Meets BS 5852: Part 2: 1982 Crib V.
Complies with the Furniture and Furnishings (Fire) (Safety) Regulations 1988, Schedule 1 Part 1 (as amended).

3. TECHNICAL SPECIFICATIONS

PROPERTY	TEST STANDARD	VALUE	UNIT
Nominal density range	BS EN ISO 845:2009	31.4 – 34.6	kg/m ³
Nominal hardness (40% indentation)	BS EN ISO 2439:2008	175 – 210	N
Nominal compression set	BS EN ISO 1856:2001	≤ 8	%
Fatigue classification	BS 3379:2005	V	—

Hardness to BS EN ISO 2439 Method A; compression set to BS EN ISO 1856 Method B. Fatigue classification to BS 3379 using BS EN ISO 3385 (machine type B), with a 6 hour wait after fatigue as recommended by the BPF. Classification claimed is based on in-house test results.

4. TYPICAL APPLICATIONS

Gym pit foam for trampoline parks and busy gymnastics clubs, supplied as cubes and logs. Also suits padding needing SF33 density with a firmer feel.

5. SUPPLY FORMATS

Available in sheet, block, profile, cube, log and bespoke cut-to-size formats, at no extra cost. Contact the Technical Department for non-standard sizes.

The information in this document is intended as a general technical guide based on data believed to be accurate at the time of issue. Density, hardness, lifespan and other figures shown are typical values for normal use and are not guarantees of performance, service life, fitness for any specific application, or compliance with any regulation or standard. Customers are responsible for determining the suitability of the product for their intended application. For commercial, contract, healthcare, fire-rated or other critical applications please contact our technical team before ordering. All sales are subject to our standard terms and conditions. Simply Foam Products Ltd reserves the right to update product data without prior notice.