

SF25/140

Light-Density Firm Polyether Polyurethane Foam

1. PRODUCT DESCRIPTION

A flexible polyether polyurethane foam sharing its density band with SF21 but substantially firmer, which suits it to loose fill and light impact-absorbing applications. The material is manufactured to meet the requirements of Schedule 1, Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended), and offers consistent density, hardness and recovery characteristics across the supplied range.

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	22.8 – 25.2	kg/m ³
Nominal hardness (40% indentation)	BS EN ISO 2439:2008	125 – 145	N
Nominal compression set	BS EN ISO 1856:2001	≤ 15	%
Fatigue classification	BS 3379:2005	A	—

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 loose fill for gymnastics clubs, trampoline parks, soft play and activity centres, supplied as cubes and logs. Also suits light impact-absorbing padding needing a firmer feel.

5. SUPPLY FORMATS

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

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.