Severe Very Firm Foam

Grade reference: AF50 | Very High-Density Polyether Polyurethane Foam · Severe

PRODUCT DESCRIPTION

A flexible polyether polyurethane foam supplied in white, engineered for thin-profile seating applications where density and recovery are critical. The material meets the requirements of Schedule 1, Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended), and additionally meets the requirements of FAR/JAR Part 25 Appendix F Part 1 (Vertical test) and EASA CS-25.853, qualifying it for use in aviation and other regulated transport applications.

FIRE PERFORMANCE	Meets Schedule 1, Part 1 of the Furniture and Furnishings (Fire) (Safety) Regulations 1988 (as amended). Additionally meets FAR/JAR Part 25 App. F Part 1 (Vertical test) and EASA CS-25.853.

TECHNICAL SPECIFICATIONS

PROPERTY	TEST STANDARD	VALUE	UNIT
Nominal density range	BS EN ISO 845:1995	48 - 52	kg/m³
Nominal hardness (40% indentation)	BS EN ISO 2439	225 - 265	N
Nominal tensile strength	BS EN ISO 1798	≥ 100	kPa
Nominal elongation at break	BS EN ISO 1798	≥ 100	%
Nominal compression set	BS EN ISO 1856	≤ 10	%
Standard supply colour	-	White	-

TYPICAL APPLICATIONS

Thin-profile seating cushions below 75 mm (3″) where density is critical: window seats, quality dining chairs, kitchen seats, office chair refoams, banquette tops, and vehicle restoration projects requiring period-correct firmness. Aviation-compliant grade also suitable for aircraft and rolling-stock seating applications.

SUPPLY FORMATS

Available in sheet, block, profile and bespoke cut-tosize formats. Cut-to-size service included at no extra cost. Custom converting and lamination available on request. Contact the All Foam technical team for nonstandard dimensions and tolerances.

The information in this document is intended as a general technical guide and is based on data believed to be accurate at the date of issue. Values shown are typical and are not guarantees of performance, service life, fitness for a particular purpose or regulatory compliance. Customers are responsible for confirming product suitability for their intended application. ALL FOAM PRODUCTS LTD reserves the right to update product data without prior notice.