

Flexible Foam – Technical Bulletin

This technical bulletin describes general capabilities of Renosol Corporation flexible, MDI-based, foam. Results may differ if formulation is modified per customer requirements.

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Flexible foam applications

Comfort applications – for example, seating – in all sectors, including automotive & truck, furniture, sports and recreation, medical, defense/military, lawn, industrial machinery, and medical.

Sporting goods – a version of flexible foam is used in molded baseballs and softballs, tackling dummies, line markers, refrigerator handles, steering wheels and instrument panels.

Can also be used in light packaging applications (for heavier packaging and transport cushioning, elastomeric polyurethane may be more suitable. See our [dunnage information page](#).

Technical specifications

Chemistry	Two-part MDI based polyurethane system
Density (pcf) 2 x 2 x 1" skinless sample	35 kg/m ³ to 70 kg/m ³
Flammability FMVSS 302	Meets automotive flammability requirements: adjustable based on specification
Dimensional capabilities	Within +/- 3 to 5 mm tolerance
Components	Wires, substrates, hook-and-loop and other components may be incorporated into the molded part. Polyurethane has good adhesive qualities
Shapes	Nearly any configuration
Traceability	From raw materials to packaged product
Quality	Regular pre-, mid- and post-production quality checks ensure consistent quality. Meet Cpk/Ppk requirements published in AIAG SPC manual. Renosol' management systems are registered to ISO/TS-16949 and ISO-14001.
Tooling	Renosol provides tooling management, and has in-house capability to make repairs and small adjustments

All technical information and data in this bulletin are believed accurate and reliable; however, we do not guarantee results, freedom from patent infringement, or suitability of this product for any resultant application.