

EPS (Expanded Polystyrene)

Key Features

Density < 1 g/cm³ • Thermal insulation • Impact resistance • Lightweight

Applications

End use parts • Automotive • Single-use for industrial applications • Protective packaging

Product Description

Expanded Polystyrene (EPS) is a lightweight, closed-cell foam offering excellent thermal insulation, compressive strength, and shock absorption. Its low density and dimensional stability make it ideal for protective packaging, insulation panels, molded parts, and single-use industrial applications. With a fine bead structure, EPS allows cost-effective molding of both simple and complex shapes, maintaining reliable performance even at low densities.

Properties*

Bending strength	0.51 MPa
Compressive strength @5% strain	0.23 MPa
Compressive strength @10% strain	0.24 MPa
Density	0.03 g/cm ³

*Data based on a 30 kg/m³ density material

Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

