مصنع الجعيب للبلاستيك
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Technical Data Sheet (TDS)

Product: PE Foam Parquet Underlay

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1. Product Description

PE (Polyethylene) Foam Parquet Underlay is an ideal solution for insulating wooden and parquet floors. The product features a closed-cell structure that provides high flexibility, excellent thermal and acoustic insulation, as well as protecting floors from moisture and minor subfloor imperfections.

2. Key Features

- **Superior Acoustic Insulation:** Reduces impact sound and sound transmission between floors.
- **Moisture Resistance:** Closed-cell structure prevents water absorption and protects wood from rot.
- **Thermal Insulation:** Helps maintain room temperature and reduces energy consumption.
- **Easy Installation:** Lightweight and flexible, making it easy to lay and cut.
- **Environmentally Friendly:** Recyclable material and CFC-free.

3. Technical Specifications

Property	Unit	Value (2mm)	Value (3mm)	Standard Method
Density	kg/m³	25 - 35	25 - 35	ISO 845
Thermal Conductivity (λ)	W/m.K	~ 0.040	~ 0.040	ASTM C518
Impact Sound Reduction (ΔLw)	dB	≥ 16	≥ 18	ISO 10140
Water Absorption	% by volume	< 1.0	< 1.0	ISO 2896
Compressive Strength (at 25%)	kPa	~ 20	~ 25	ISO 3386

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4. Standard Roll Dimensions

Thickness	Width	Length	Total Area
2mm	1.0 meter	50 meters / 100 meters	50 m² / 100 m²
3mm	1.0 meter	50 meters	50 m²

Note: Custom lengths and widths can be provided upon customer request.

5. Applications

- Under natural and engineered wood flooring (Laminate).
- Under engineered wood flooring.
- As a protective and insulating layer in floor construction systems.

Disclaimer: The information provided in this sheet is based on laboratory tests and general technical data. Users are advised to verify the product's suitability for the specific application before commencing work.