Technical Data Sheet

# Hanno®-V 12

## Product Description

Flake composite foam is a product made from PU foam scraps, which are glued together in the form of flakes. The aim of the production is to preserve the open-cell structure and elasticity, ensure uniform distribution of functional additives in or on the cell structure, and integrate solid partnering materials into the foam matrix while maintaining functionality. Hanno®-V 12 Flake composite foam combines the unique properties of PU foams with precisely controllable additional benefits and high density.

## Product Properties

- Elasticity
- High bulk density
- Good fire behavior
- Very good sound absorption

## Applications

- Automotive industry
- Packaging
- Upholstered furniture industry
- Acoustic area (sound insulation)
- A particularly interesting application for flock composite foams is acoustics. Especially in the area of airborne sound absorption, the characteristics of the material and ist clean processability allow for a variety of solutions.

## Form of Delivery

- Blocks
- Plates
- Cut-outs
- Stamped parts (dimensions on request)
- Can be provided self adhesive

## Processing

Only apply on dry, grease-free, clean surfaces. Press surface well. Hanno®-V 12 is easily punchable and cuttable. You can easily adapt the material and cut it with a sharp knife.

## Technical Data

| Property | Standard | Value |
|---|---|---|
| Color | – | mottled, colour depends on the raw materials |
| Bulk density | EN ISO 845 | 120 kg/m³ ± 20% |
| Compression hardness | DIN EN ISO 3386-1 | ca. 12-23 kPa (40 %) |
| Fire behavior | FMVSS 302 / DIN 75200 / ISO 3795 | <100 mm/min |
| Application Temperature | - | -40 bis +80°C (short term higher) |

## Special Instructions

Materials with soft foam structure tend to undergo dimensional changes during processing (punching, cutting, pressing, winding, installation, etc.). In general, the dimensional tolerances of DIN 7715-P3 can be met. For special requirements regarding dimensional accuracy, please contact our customer service.  Especially in the case of composite foam, larger fluctuations in properties may occur due to the heterogeneous composition.

## Cleaning

No significant contamination from the material is expected. Adhesive residue on self-adhesive parts can be removed with gasoline if necessary. Safety regulations for the cleaning agent used must be observed.

# Hanno®-V 12

## Environment, Disposal and Safety

Based on existing data and experience, the product is not classified as a hazardous substance under the Hazardous Substances Regulation and corresponding EC directives. However, we recommend observing the usual care and hygiene practices for handling chemical substances. Residues can be disposed of with household waste. Local regulations must be observed.

The product complies with the following directives, or meets the required application restrictions: 1907/2006 (REACH), 2011/65 (RoHS2), 2015/863 (RoHS3), 2019/1021 (POP), 517/2014 (Greenhouse Gases), 2024/590 (Ozone Layer Depletion).

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