POLYGUM® · FURNITURE GRADE · CODE PG-HM-SMFW

POLYGUM® Hot Melt SMFW

Filled EVA hot melt granules for bonding PVC edge band to wood-based panels (plywood, MDF and particle board) on manual edge banding machines.

Product Description

POLYGUM® Hot Melt SMFW is a filled EVA hot melt adhesive in granule form for bonding PVC edge band to wood-based panels (plywood, MDF and particle board) on manual edge banding machines. It is frosty white in colour and is applied at 160 – 180°C.
Filled grade: contains mineral filler, giving a higher density and an economical, opaque glue line.

Technical Specification

Property	Typical value
Type	EVA hot melt granules
Colour	Frosty white
Filler	Filled
Viscosity	25,000 ± 2,500 cP at 170°C
Density	1.2 – 1.5 g/cm³
Softening point	85 ± 5°C
Application temperature (melting range)	160 – 180°C
Application	Wood to PVC edge banding, side (edge) application
Edge band material	PVC
Applicator	Manual edge banding machine
Pack size	30 kg bag

Values are typical and given for guidance; they are not a specification.

Areas of Application

- PVC edge band on plywood, MDF and particle board
- Modular furniture, kitchen and wardrobe panels
- Manual edge banding machine

Features & Benefits

Product Features

- Solvent-free, 100% solids
- Sets on cooling for immediate handling
- Softening point 85 ± 5°C
- Application temperature 160 – 180°C

Product Benefits

- Fast edge banding with no drying time
- Strong, consistent edge holding

Application Method

- Panels and edge band should be clean, dry and free from dust, and at room temperature. Cold panels or edge band shorten the open time and weaken the bond.
- Load the granules into a clean glue pot of the manual edge banding machine and set the glue temperature within 160 – 180°C.
- Apply an even film of adhesive to the panel edge and bring the edge band into contact immediately, pressing it firmly with the pressure rollers.
- Trim and scrape the edge band after the glue line has cooled.
- Do not hold molten adhesive at temperature for long periods with the machine idle; top up with fresh granules regularly. Overheating darkens and degrades the adhesive.
- Clean the glue pot when changing grade or colour.

Storage & Handling

- Store in sealed bags in a cool, dry place away from direct heat.
- Molten adhesive can cause burns: use heat resistant gloves and eye protection at the melt tank.

Health & Safety

Read the Material Safety Data Sheet (Doc. No. MSDS/PG-HM-SMFW) before use. It is available at www.synergybonding.in/datasheets.

Disclaimer

The information in this document is based on our present knowledge and laboratory tests, and is given in good faith as a guide. Because conditions of use are beyond our control, users must test the product to confirm its suitability for their own application. No warranty is given or implied, and this document does not relieve the user of the responsibility to comply with applicable laws and regulations.