

F405

PROPERTIES

Technical Data Sheet (TDS)
Expandable Polystyrene

Bead size - Diameter:	0.4 - 0.7 mm
Blowing agent - Pentane:	5.6 - 7 %
Residual Styrene Monomer:	Less than 1000ppm
Moisture content:	Less than 1 %
CFC content:	Nil
Flammability as Per DIN 4102:	B1
Density:	Above 20 Kg/m ³

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Application

- SNOWA F405 is an EPS class with NON-HBCD flame retardant agent, in accordance with REACH regulative, which can be used in production of EPS foam in density ranges above 20 kg/m³ which is suitable for high quality block molding and for shape molding with good fusion and surface finish.
- SNOWA F405 in general is used for packaging and insulation application which is requiring fire classification.
- Lower densities can be achieved by multiple expansions.

Packing Type

- Standard Laminated Kraft paper bag (25 Kg)
- 750 kg big bag with inside gas barrier liner
- 1000 kg big bag with inside gas barrier liner
- Octabin with inside gas barrier liner

Storage

- Snowa F405 should be stored in well-ventilated storage areas with a temperatures preferably not exceeding 25°C. It should be protected against unsuitable weather conditions and direct sun light. Partially used containers should be closed as tight as original conditions, and should be consumed in a short time. In order to maintain the expansion potential it is recommended to use within three months after delivery.

Processing Conditions

- minimum density is dependent upon expander type and pressure/ steam conditions.
- Recommended silo ageing time must be more than 5 hours to ensure high strength performance of the molded product, but less than 24 hours to ensure good fusion.
- Maximum silo ageing time strongly depends on ventilation and storage temperature.
- For special advice kindly contact SNOWA EPS Technical Service.

Caution

- Snowa F405 requires to be avoided restrictively from sparks and flames during phases of processing and storage. Grounding of entire equipment and machines are required, in order to prevent against static electricity development on the product conveying lines and during product processing.
- Flammable pentane-air mixtures may be generated during storage and processing. For this reason adequate ventilation must be ensured. Please make sure to read the «Material Safety Data Sheet» (MSDS), which contains entire details of the measurements required to be taken
- Snowa F405 is not suitable and not permitted to be used for food contact application.

