

EPS Flame Retardant NON-HBCD	Version: 05 Date of Issue: Aug 2020
F405	Entekhab Polystyrene Petrochemical Co. +98 (21) 88664217 www.snowaeps.com info@snowaeps.com
Properties	
Bead Size - Diameter	0.4 – 0.8 mm
Blowing Agent – Pentane	5 - 6 %
Residual Styrene Monomer	Less than 1000ppm
Moisture Content	Less than 1%
CFC Content	Nil
Flammability	DIN4102 B1, EN ISO 11925-2/ EN 13 501 E
Density	Above 20 kg/m³
Application	
<ul style="list-style-type: none"> ▪ 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 typically in density above 20 kg/m³, which is suitable for high quality shape molding with Good fusion and surface finish. ▪ SNOWA F405 in general is used for packaging, insulation and decoration application which is requiring fire classification. ▪ Lower densities can be achieved by multiple expansions. 	
Packing Type	
<ul style="list-style-type: none"> ▪ 1250kg big bag with inside gas barrier liner ▪ 1000kg big bag with inside gas barrier liner ▪ 750kg big bag with inside gas barrier liner ▪ 1150kg octabins are in preparation 	
Storage	
<ul style="list-style-type: none"> ▪ SNOWA F405 Should be stored in well – ventilated storage areas with a temperature preferably not exceeding 25°C. It should be protected against unsuitable weather conditions and direct sun light. Partially used containers should be close 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 material within one month after delivery. 	
Processing Conditions	
<ul style="list-style-type: none"> ▪ 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 Technical Service. 	
Caution	
<ul style="list-style-type: none"> ▪ 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 “Safety Data Sheet” (SDS), which contains entire details of the measurements required to be taken. ▪ SNOWA F405 is not suitable and not permitted to be used in food contact applications. 	

