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ENTEKHAB POLYSTYRENE PETROCHEMICAL CO.

EXPANDABLE POLYSTYRENE EPS F400

Expandable Polystyrene F400 (EPS F400) is a high-density flame-retardant EPS grade produced by Entekhab Petrochemical for applications requiring excellent surface finish, dimensional accuracy, and enhanced mechanical performance. This HBCD-free grade expands into a closed-cell foam that delivers superior thermal and acoustic insulation together with controlled fire behavior. With its fine bead size and high-density capability, EPS F400 is widely used in industrial insulation and precision molded applications.

Producer	Applications
SNOWA	High-quality shape molding with excellent fusion and smooth surface finish, sandwich panels, cold storage insulation, industrial thermal and acoustic insulation, protective packaging for sensitive equipment, decorative architectural moldings, and molded foam components requiring fire classification. Lower foam densities can also be achieved through multiple expansion processes.

Typical Properties			
Resin Properties	Unit	Typical Value	Test Method
Bead Size Diameter	mm	0.4-0.8	
Blowing Agent - Pentane	%	5-6	
Residual Styrene Monomer	ppm	Less than 1000	
Moisture Content	%	Less than 1	
CFC Content	-	Nil	
Flammability	wt%	DIN4102 B2 / EN ISO 11925-2 / EN 13501 E	
Density	kg/m ³	Above 20	