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ENTEKHAB POLYSTYRENE PETROCHEMICAL CO.

EXPANDABLE POLYSTYRENE EPS F300

Expandable Polystyrene F300 (EPS F300) is a flame-retardant EPS grade produced by Entekhab Petrochemical for applications requiring improved mechanical strength, smooth surface finish, and controlled fire performance. With its medium bead size and density range of 14–23 kg/m³, this HBCD-free grade expands into a closed-cell foam that provides excellent thermal insulation, dimensional stability, and reliable molding quality. EPS F300 is widely used in industrial insulation and engineered foam applications where both structural performance and fire classification are required.

Producer	Applications
SNOWA	High-quality block molding, shape molding with excellent fusion and surface finish, sandwich panels, cold storage insulation, industrial wall and floor insulation, thermal insulation systems, protective packaging, and molded foam parts 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	0.7-1	
Blowing Agent - Pentane	%	5.6-7	
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	14-23	