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ENTEKHAB POLYSTYRENE PETROCHEMICAL CO.

EXPANDABLE POLYSTYRENE EPS F50

Expandable Polystyrene F50 (EPS F50) is a flame-retardant EPS grade produced by Entekhab Petrochemical for lightweight insulation and block molding applications. With its larger bead size and low-density range, it expands into a lightweight closed-cell foam that provides excellent thermal insulation, reduced structural weight, and improved fire behavior. EPS F50 is widely used in construction projects where both insulation performance and fire classification are required.

Producer	Applications
SNOWA	High-quality EPS block molding, lightweight building blocks, thermal insulation systems, construction contour moldings, sandwich panels, wall and roof insulation, large molded foam parts, and protective industrial packaging. Lower foam densities can also be achieved through multiple expansion processes.

Typical Properties			
Resin Properties	Unit	Typical Value	Test Method
Bead Size Diameter	mm	1.8-3	
Blowing Agent - Pentane	%	5-7	
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	6-12	