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ENTEKHAB POLYSTYRENE PETROCHEMICAL CO.

## EXPANDABLE POLYSTYRENE EPS F100

SNOWA EPS F100 is a flame-retardant expandable polystyrene (EPS) grade designed for high-performance construction and industrial applications. Produced by Entekhab Petrochemical, it offers low density, excellent thermal insulation, and controlled fire behavior due to its flame-retardant formulation. With fine bead size and optimized pentane content, it expands into lightweight yet durable foam suitable for insulated building blocks, sandwich panels, and protective packaging. This grade is widely used in construction systems where energy efficiency, mechanical strength, and fire safety are essential, making it a reliable raw material for modern EPS manufacturing.

Producer	Applications
SNOWA	can be used in production of EPS foam typically in density ranges between 7-12 kg/m <sup>3</sup> which is suitable for high quality block molding. SNOWA F100 in general is used in application which is requiring fire classification such as thermal insulation material for construction applications and for construction contour moldings.

Typical Properties			
Resin Properties	Unit	Typical Value	Test Method
Bead Size Diameter	mm	1.2-1.8	
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 <sup>3</sup>	7-12	