

Technical Data Sheet

F4000
Expandable Polystyrene

F-4000 is an expandable polystyrene (EPS) resin which contains pentane gas as foam blowing agent and the cycloaliphatic brominated hydrocarbon as its flame retardant agent.

This grade exhibits outstanding expansion, insulation, moisture proofing and mechanical load bearing properties.

Applications:

Rigid insulation boards, panel applications, Low density housing and construction blocks, Civil Engineering. Flame Retardant series are suitable for self-extinguishing applications where the oxygen index is potentially high.

PROPERTY	UNIT	VALUE
Bead size ($\geq 99.0\%$)	mm	0.5-0.8
Blowing Agent Content	Wt%	≥ 6
Moisture content	Wt%	≤ 0.8
Polymer Content	Wt%	92-94
Coating Agent Content	Wt%	< 0.3
Residual Monomer	Wt%	< 0.3
Foam Density	g/l	16-18
Specific Gravity	--	1.02-1.05
Expandability	Times	50-59
Fusion(Min)	%	60
Limiting Oxygen Index	%	> 30
CFC content	%	0
Flammability(Max)	sec	3