



SHOBEIR SHIMI  
WWW.SHOBEIRSHIMI.COM  
info@shobeirshimi.com

BANIAR MASHREGH ZAMIN

## EXPANDABLE POLYSTYRENE EPS F1000

F-1000 is an expandable polystyrene (EPS) resin containing pentane gas as a foam blowing agent and non-HBCD brominated hydrocarbon as its flame retardant. This grade exhibits outstanding insulation, moisture proofing, and mechanical load bearing properties.

Producer	Characteristic Properties	Applications
BANIAR mashreg zamin	Flame Retardant Contains pentane as foam blowing agent Non-HBCD brominated hydrocarbon	Rigid insulation boards - Panel applications Low density filling and construction blocks Civil engineering - Flame Retardant series

### Typical Properties

Resin Properties	Unit	Typical	Test Method
Bead Size ( $\geq 99.0\%$ )	mm	1.2-2	
Blowing Agent Content	wt%	$\geq 6.0$	
Moisture Content	wt%	$\leq 0.80$	
Polymer Content	wt%	92-94	
Coating Agent Content	wt%	$< 0.30$	
Residual Monomer	wt%	$< 0.30$	
Foam Density*	g/l	12-13	
Specific Gravity	-	1.02-1.05	
Expandability	times	50-95	
Fusion (Min.)	%	60	
CFC Content	%	0	