

DATE: 2024-2025

Arena Code: AS10541/BNPC-EPS F1000

Producer and Supplier in the fields of Chemical, Oil, Gas and Petrochemical industries

Technical Data Sheet

F1000

Expandable Polystyrene

F-1000 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 (≥99.0 %)	mm	1.4-2
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	11-12
Specific Gravity	<u> </u>	1.02-1.05
Expandability	Times	50-59
Fusion(Min)	%	60
Limiting Oxygen Index	%	>30
CFC content	%	0
Flammability(Max)	sec	3



Head Office:

Head Office: Unit 1011, 10th Floor, Kian Center 2 , Janbaz Blvd, Mashhad, Iran

Postal Code: 9197810030 Tell:+98-51-3883 9090 Fax:+98-51-3883 9010

Mobile: +98 915 005 1050

Website: www.arena-petrogas.com E-mail: info@arena-petrogas.com

