

# King Pearl® F Series

Expanded Polystyrene

Loyal Chemical

## Message:

King Pearl® F Series are for self-extinguishing applications such as panels and housings where the oxygen index is potentially high.

Available variations:

F-MS: 1.0 - 1.6 mm particle size and 16 - 18 g/l foam density.

F-SA: 0.8 - 1.2 mm particle size and 18 - 20 g/l foam density.

F-SB: 0.6 - 0.9 mm particle size and 20 - 25 g/l foam density.

F-S: 0.4 - 0.7 mm particle size and 25 - 33 g/l foam density.

General Information			
Features	Flame retardancy		
Uses	Packaging		
Appearance	Available colors		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm <sup>3</sup>	ASTM D792
Apparent Density	0.60	g/cm <sup>3</sup>	ASTM D1895
Additional Information			

Blowing Agent: <5.5% PentaneResidual Monomer: <0.3%Moisture Content: <0.5%Aging Time after pre-expansion: 12 - 24 hrPre-expansion: Batch pre-expanderMain Steam Pressure: 4 - 5 kg/cm<sup>2</sup>Chamber Pressure: 0.1 - 0.2 kg/cm<sup>2</sup>Heating Time: 50 - 60 secKeeping Time: 10 secCooling Time: 40 - 50 secPre-expansion: Continuous pre-expanderMain Steam Pressure: 4 - 5 kg/cm<sup>2</sup>Chamber Pressure: 0.15 - 0.3 kg/cm<sup>2</sup>Chamber Temperature: 96 - 98°C

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## Recommended distributors for this material

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