

King Pearl® C Series

Expanded Polystyrene

Loyal Chemical

Message:

King Pearl® C Series are for high strength applications.

Available variations:

C-MS: 1.0 - 1.6 mm particle size and 15 - 17 g/l foam density.

C-SA: 0.8 - 1.2 mm particle size and 17 - 19 g/l foam density.

C-SB: 0.6 - 0.9 mm particle size and 19 - 24 g/l foam density.

C-S: 0.4 - 0.7 mm particle size and 24 - 33 g/l foam density.

General Information			
Features	High strength Compliance of Food Exposure		
Uses	Packaging		
Appearance	Available colors		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Apparent Density	0.60	g/cm ³	ASTM D1895
Additional Information			

Blowing Agent: <5.5% PentaneResidual Monomer: <0.3%Moisture Content: <0.5%Aging Time after pre-expansion: 8 - 16 hrPre-expansion: Batch pre-expanderMain Steam Pressure: 4 - 5 kg/cm²Chamber Pressure: 0.15 - 0.2 kg/cm²Heating Time: 60 - 80 secKeeping Time: 10 secCooling Time: 40 - 50 secPre-expansion: Continuous pre-expanderMain Steam Pressure: 4 - 5 kg/cm²Chamber Pressure: 0.3 - 0.5 kg/cm²Chamber Temperature: 98 - 100°C

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