

Jackon JACKOCELL® S332 Expanded Polystyrene Packaging and Shape Molding

Category : Polymer , Thermoplastic , Polystyrene (PS) , Expanded Polystyrene (EPS)

Material Notes:

100% Polystyrene.Pre-expansion This is the low pentane version for densities above 25-30 kg/m³. A substantial reduced pentane emission has been made possible with S332 which will lead the industry into the future. The unique design of polystyrene chains gives less sensitivity to steam - hence accurate density control over the unique property of S332. The combination of good properties is clearly a result of high technology in combination with extensive product development.
Shape Moulding The unique design of polystyrene chains adds numerous advantages to Jackocell® S332 in high density shape molding. Fast molding cycles, good fusion, and easy to reach good surface. The additional broad molding window further reduces waste material and maintains a high quality to the extent that it can be recognized long term on productivity and financial earnings.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Jackon-JACKOCELL-S332-Expanded-Polystyrene-Packaging-and-Shape-Molding.php

Physical Properties	Metric	English	Comments
Density	0.0280 g/cc	0.00101 lb/in ³	1.2 minute residence time pre-expander
	0.0360 g/cc	0.00130 lb/in ³	2 minute residence time pre-expander
	0.0380 g/cc	0.00137 lb/in ³	2.6 minute residence time pre-expander
	0.0960 g/cc	0.00347 lb/in ³	3.6 minute residence time pre-expander
Bead Size	0.600 - 1.00 mm	0.0236 - 0.0394 in	

Mechanical Properties	Metric	English	Comments
Flexural Strength	0.550 MPa	79.8 psi	30 g/l
	1.05 MPa	152 psi	50 g/l
	1.60 MPa	232 psi	70 g/l
	2.05 MPa	297 psi	90 g/l
Compressive Strength	2.55 MPa	370 psi	30 g/l
	4.69 MPa	680 psi	50 g/l
	7.85 MPa	1140 psi	70 g/l
	10.9 MPa	1580 psi	90 g/l

Chemical Properties	Metric	English	Comments
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Blowing Agent Content	<= 4.0 %	<= 4.0 %	Pentane
Chemical Properties	Metric	English	Comments

Descriptive Properties	Value	Comments
Coefficient of Variation (%), max	15	
Moulding Cycle Time (sec)	230	50 g/l, 24 hours @ 18Â°C
	360	70 g/l, 24 hours @ 18Â°C
	380	90 g/l, 24 hours @ 18Â°C
	60	30 g/l, 24 hours @ 18Â°C

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