

Jackon JACKOCELL[®] S232 Expanded Polystyrene Packaging and Shape Molding

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

Material Notes:

100% Polystyrene.Pre-expansionThis is the low pentane version for densities above 25-30 kg/m³. A substantial reduced pentane emission has been made possible with S232 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 S232. The combination of good properties is clearly a result of high technology in combination with extensive product development.Shape MouldingThe unique design of polystyrene chains adds numerous advantages to Jackocell[®] S232 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-S232-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
	0.0380 g/cc	0.00137 lb/in ³	2 minute residence time pre-expander
	0.0600 g/cc	0.00217 lb/in ³	2.5 minute residence time pre-expander
	0.0900 g/cc	0.00325 lb/in ³	2.7 minute residence time pre-expander
Bead Size	1.00 - 1.80 mm	0.0394 - 0.0709 in	

Mechanical Properties	Metric	English	Comments
Flexural Strength	0.500 MPa	72.5 psi	30 g/l
	0.800 MPa	116 psi	50 g/l
	1.40 MPa	203 psi	70 g/l
	1.75 MPa	254 psi	90 g/l
Compressive Strength	2.55 MPa	370 psi	30 g/l
	4.08 MPa	592 psi	50 g/l
	6.63 MPa	962 psi	70 g/l
	9.38 MPa	1360 psi	90 g/l

Chemical Properties	Metric	English	Comments
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Blowup Agent Content Chemical Properties	≤ 4.0 % Metric	≤ 4.0 % English	Pentane Comments
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Descriptive Properties	Value	Comments
Coefficient of Variation (%), max	15	
Moulding Cycle Time (sec)	230	50 g/l, 24 hours @ 18Å°C
	400	70 g/l, 24 hours @ 18Å°C
	450	90 g/l, 24 hours @ 18Å°C
	75	30 g/l, 24 hours @ 18Å°C

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China