

Jackon JACKOCELL[®] S3312 Expanded Polystyrene Packaging and Shape Molding

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

Material Notes:

100% Polystyrene. Pre-expansion A substantial reduced pentane emission has been made possible with Jackocell[®] S3312 - which will lead the industry into the future. High stability of pre-expanded beads in pre-expansion, transportation and silo storage reduces opportunity losses through typical lower average density during regular production. This combination of good properties is clearly a result of high technology in combination with extensive product development. Shape Moulding With S3312, low density and low pentane mouldings have finally been combined. The unique designs of polystyrene chains adds numerous advantages to Jackocell[®] S3312 in shape moulding. Fast moulding cycles, good fusion, and easy to reach good surface. The additional broad moulding 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-S3312-Expanded-Polystyrene-Packaging-and-Shape-Molding.php

Physical Properties	Metric	English	Comments
Density	0.0170 g/cc	0.000614 lb/in ³	1.5 minute residence time
	0.0180 g/cc	0.000650 lb/in ³	1 minute residence time
	0.0220 g/cc	0.000795 lb/in ³	2.5 minute residence time
	0.0300 g/cc	0.00108 lb/in ³	0.6 minute residence time
Bead Size	0.600 - 1.00 mm	0.0236 - 0.0394 in	

Mechanical Properties	Metric	English	Comments
Flexural Strength	0.335 MPa	48.6 psi	16 hour silo aging time
	0.345 MPa	50.0 psi	32 hour silo aging time
	0.350 MPa	50.8 psi	48 hour silo aging time
	0.350 MPa	50.8 psi	64 hours silo aging time
Compressive Strength	1.25 MPa	181 psi	30 g/l
	1.27 MPa	184 psi	50 g/l
	1.30 MPa	189 psi	90 g/l
	1.32 MPa	191 psi	70 g/l

Chemical Properties	Metric	English	Comments
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Blowing Agent Content Chemical Properties	$\leq 5.2\%$ Metric	$\leq 5.2\%$ English	Pentane Comments
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Descriptive Properties	Value	Comments
Coefficient of Variation (%), max	15	
Moulding Cycle Time (sec)	124	6 hour silo aging time, 20 kg/m ³
	71	64 hours silo aging time, 20 kg/m ³
	78	48 hour silo aging time, 20 kg/m ³
	90	32 hour silo aging time, 20 kg/m ³

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