

Ineos Nova Styrocell® M544C Expandable Polystyrene

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

Material Notes:

A high strength, fast cycling regular molding grade consisting of spherical polystyrene beads containing pentane as expansion agent, typically used for medium density foam. Applications: Styrocell is used mainly for producing contour moldings with a wall thickness greater than 10 mm. This grade complies with major European and US food contact regulatory regimes, including: European Community Directive 90/128/ECC, including 92/39EEC and 95/EC, relating to plastics materials and articles, intended to come into contact with foodstuffs. Dutch Food Packaging Regulations. Recommendations of German Federal Office of Health (BGA), now regulated by the new Institute of Consumer Health (BGVV), Empfehlung V. US Food and Drug Administration Code of Federal Regulations title 21, sections 177.1640 (Polystyrene) and 178.3010 (Blowing Agents). Information provided by NOVA Chemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-Nova-Styrocell-M544C-Expandable-Polystyrene.php

Physical Properties	Metric	English	Comments
Bulk Density	0.620 g/cc	0.0224 lb/in ³	
Density	>= 0.0180 g/cc	>= 0.000650 lb/in ³	Minimum achievable; Single stage pre-expansion in continuous expander at atmospheric pressure
	0.0180 - 0.0300 g/cc	0.000650 - 0.00108 lb/in ³	Normal molded density assuming cost optimized selection of processing conditions.
Bead Size	0.700 - 1.00 mm	0.0276 - 0.0394 in	
	0.600 - 1.18 mm	0.0236 - 0.0465 in	Carrington Laboratory Analytical Methods 2155

Chemical Properties	Metric	English	Comments
Styrene Content	<= 0.10 %	<= 0.10 %	Residual Styrene Monomer Content per Carrington Laboratory Analytical Methods 3112
Blowing Agent Content	>= 6.1 %	>= 6.1 %	Carrington Laboratory Analytical Methods 3135

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