

NOVA Chemicals Styrocell® D833A Expandable Polystyrene (discontinued **)

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

Material Notes:

This grade is a special molding grade consisting of spherical polystyrene beads containing pentane as expansion agent, typically used for dry molding of drinking cups and thin wall containers. Applications: This grade is used for dry molding of drinking cups and containers, with wall thickness generally 1.2-5.0 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_NOVA-Chemicals-Styrocell-D833A-Expandable-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.620 g/cc	0.0224 lb/in ³	
Density	>= 0.0250 g/cc	>= 0.000903 lb/in ³	Minimum achievable; Single stage pre-expansion in continuous expander at atmospheric pressure
	0.0500 - 0.100 g/cc	0.00181 - 0.00361 lb/in ³	Normal molded density
Bead Size	0.300 - 0.500 mm	0.0118 - 0.0197 in	Breda Laboratory Analytical Methods 90.30
	0.350 - 0.500 mm	0.0138 - 0.0197 in	

Chemical Properties	Metric	English	Comments
Styrene Content	<= 0.050 %	<= 0.050 %	Residual Styrene Monomer Content per Breda Laboratory Analytical Methods 90.16
Blowing Agent Content	>= 5.7 %	>= 5.7 %	Breda Laboratory Analytical Methods 90.18

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