

Akzo Nobel Expancel® 820 SL 40 Unexpanded microspheres in aqueous dispersion

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer , Thermoplastic

Material Notes:

Expancel microspheres are thermoplastic hollow spheres. The microspheres are white spherically formed particles with a thermoplastic shell encapsulating a gas. When the microspheres are heated the thermoplastic shell softens and the gas increases its pressure, resulting in an expansion of the spheres. Applications: Boxboard; Fine paper

Order this product through the following link:

http://www.lookpolymers.com/polymer_Akzo-Nobel-Expancel-820-SL-40-Unexpanded-microspheres-in-aqueous-dispersion.php

Physical Properties	Metric	English	Comments
Density	<= 0.0250 g/cc	<= 0.000903 lb/in ³	TMA
Particle Size	10 - 16 µm	10 - 16 µm	D(0.5)

Thermal Properties	Metric	English	Comments
Transformation Temperature	76.0 - 81.0 °C	169 - 178 °F	Expansion Starting Temperature
	115 - 125 °C	239 - 257 °F	Temp at Max Expansion

Descriptive Properties	Value	Comments
Microsphere Content, %	40	

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