

Akzo Nobel Expancel® 642 WU 40 Wet unexpanded microspheres

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: Anti-slip coatings; Braille paper; Carpet underlays; Printing ink

Order this product through the following link:

http://www.lookpolymers.com/polymer_Akzo-Nobel-Expancel-642-WU-40-Wet-unexpanded-microspheres.php

Physical Properties	Metric	English	Comments
Density	<= 0.0170 g/cc	<= 0.000614 lb/in ³	TMA
Particle Size	10 - 16 µm	10 - 16 µm	D(0.5)

Thermal Properties	Metric	English	Comments
Transformation Temperature	85.0 - 91.0 °C	185 - 196 °F	Expansion Starting Temperature
	129 - 137 °C	264 - 279 °F	Temp at Max Expansion

Descriptive Properties	Value	Comments
Solvent Resistance	2	Scale of 1 to 5

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