

Akzo Nobel Expancel® 051 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-051-WU-40-Wet-unexpanded-microspheres.php

Physical Properties	Metric	English	Comments
Density	<= 0.0250 g/cc	<= 0.000903 lb/in³	TMA
Particle Size	9.0 - 15 µm	9.0 - 15 µm	D(0.5)

Thermal Properties	Metric	English	Comments
Transformation Temperature	108 - 113 °C	226 - 235 °F	Expansion Starting Temperature
	142 - 151 °C	288 - 304 °F	Temp at Max Expansion

Descriptive Properties	Value	Comments
Solvent Resistance	4	Scale of 1 to 5

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