

## Akzo Nobel Expancel® 091 WU 80 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-091-WU-80-Wet-unexpanded-microspheres.php](http://www.lookpolymers.com/polymer_Akzo-Nobel-Expancel-091-WU-80-Wet-unexpanded-microspheres.php)

Physical Properties	Metric	English	Comments
Density	<= 0.0170 g/cc	<= 0.000614 lb/in <sup>3</sup>	TMA
Particle Size	18 - 24 µm	18 - 24 µm	D(0.5)

Thermal Properties	Metric	English	Comments
Transformation Temperature	120 - 128 °C	248 - 262 °F	Expansion Starting Temperature
	176 - 186 °C	349 - 367 °F	Temp at Max Expansion

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

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