

## Akzo Nobel Expancel® 091 WUF 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-091-WUF-40-Wet-unexpanded-microspheres.php](http://www.lookpolymers.com/polymer_Akzo-Nobel-Expancel-091-WUF-40-Wet-unexpanded-microspheres.php)

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

| Thermal Properties         | Metric       | English      | Comments                       |
|----------------------------|--------------|--------------|--------------------------------|
| Transformation Temperature | 123 - 131 °C | 253 - 268 °F | Expansion Starting Temperature |
|                            | 163 - 173 °C | 325 - 343 °F | Temp at Max Expansion          |

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

## Contact Songhan Plastic Technology Co.,Ltd.

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