

Akzo Nobel Expancel® 091 DU 80 Dry 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; Printing ink; Car underbody coatings; Industrial non-woven textiles;

Order this product through the following link:

http://www.lookpolymers.com/polymer_Akzo-Nobel-Expancel-091-DU-80-Dry-unexpanded-microspheres.php

| Physical Properties | Metric | English | Comments |
|---------------------|----------------|--------------------------------|----------|
| Density | <= 0.0170 g/cc | <= 0.000614 lb/in ³ | 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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