

Akzo Nobel Expancel® 093 DU 120 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-093-DU-120-Dry-unexpanded-microspheres.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------------|--------------------------------|----------|
| Density | <= 0.00650 g/cc | <= 0.000235 lb/in ³ | TMA |
| Particle Size | 28 - 38 µm | 28 - 38 µm | D(0.5) |

| Thermal Properties | Metric | English | Comments |
|----------------------------|--------------|--------------|--------------------------------|
| Transformation Temperature | 120 - 130 °C | 248 - 266 °F | Expansion Starting Temperature |
| | 188 - 203 °C | 370 - 397 °F | Temp at Max Expansion |

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

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