Product Specification
Expancel Microspheres

February, 2019 (replaces 2018.05)

Expancel WU

<table>
<thead>
<tr>
<th>Expancel</th>
<th>Dry content %</th>
<th>Particle Size D(0.5)</th>
<th>Thermomechanical Analysis</th>
<th>Density kg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>µm</td>
<td>Tstart, °C</td>
<td>Tmax, °C</td>
</tr>
<tr>
<td>642 WU 40</td>
<td>71 ± 2.5</td>
<td>10–16</td>
<td>87–93</td>
<td>127–135</td>
</tr>
<tr>
<td>551 WU 40</td>
<td>71 ± 2.5</td>
<td>9–15</td>
<td>94–99</td>
<td>141–149</td>
</tr>
<tr>
<td>461 WU 20</td>
<td>68 ± 2.5</td>
<td>6–9</td>
<td>100–106</td>
<td>143–151</td>
</tr>
<tr>
<td>461 WU 40</td>
<td>68 ± 2.5</td>
<td>9–15</td>
<td>100–107</td>
<td>144–152</td>
</tr>
<tr>
<td>007 WU 40</td>
<td>71 ± 2.5</td>
<td>10–16</td>
<td>91–99</td>
<td>138–143</td>
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<tr>
<td>007 WUF 40</td>
<td>71 ± 2.5</td>
<td>10–16</td>
<td>91–99</td>
<td>138–143</td>
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<tr>
<td>031 WUF 40</td>
<td>76 ± 2.5</td>
<td>10–16</td>
<td>80–95</td>
<td>120–135</td>
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<tr>
<td>053 WU 40</td>
<td>71 ± 2.5</td>
<td>10–16</td>
<td>96–103</td>
<td>138–146</td>
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<tr>
<td>909 WU 80</td>
<td>71 ± 2.5</td>
<td>18–24</td>
<td>120–130</td>
<td>175–190</td>
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<tr>
<td>920 WUF 40</td>
<td>71 ± 2.5</td>
<td>10–16</td>
<td>123–133</td>
<td>168–178</td>
</tr>
</tbody>
</table>

New product

| 043 WU 80 | 67–75 | 16–24 | 95–115 | 147–167 | < 10 |

• Expancel WU = Wet Unexpanded Expancel Microspheres
• Delivered as a wet cake in fibre drums, net weight 50 to 70 kg or in IBC 400 to 500 kg
• Use the product within two years after production date, if unopened.
• Not all grades available in all locations. Check local sales office for availability.

More information:
1) “Particle size of Expancel MS”
2) “Thermomechanical analysis of Expancel MS”
For more information on our microspheres you can contact us at:

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