

DUALITE[®] PRODUCT INFORMATION

DUALITE[®] U products are heat expandable polymeric microspheres that possess a wide range of performance characteristics with applicability to a broad spectrum of end uses.

DUALITE[®] U products will expand to form a low density sphere, creating unique, and often, improved end-product properties.

FEATURES

- Expandability over a wide range of temperatures
- Wide scope of performance characteristics
- Most grades available as a dry powder or wet cake

Typical Properties

| Dualite [®] U Grade | Initial Particle Size (microns) | Expansion Starting Temp (°C) | Optimum Expansion Temp (°C) | Maximum Final Density (g/cc) |
|------------------------------|---------------------------------|------------------------------|-----------------------------|------------------------------|
| U020-125W* | 8-15 | 85-90 | 125-135 | 0.020 |
| U018-130W* U018-130D* | 10-18 | 90-95 | 130-140 | 0.018 |
| U010-130W* U010-130D* | 10-16 | 90-95 | 135-145 | 0.010 |
| U024-145W* U024-145D* | 10-18 | 105-110 | 145-155 | 0.024 |
| U017-175W U017-175D | 22-28 | 140-145 | 175-185 | 0.017 |
| U010-185W U010-185D | 24-30 | 145-150 | 185-195 | 0.010 |
| U005-190W U005-190D | 35-45 | 130-135 | 190-200 | 0.005 |

*Additional lead times required when ordering (3 months – negotiable)

Product Stability: The performance of DUALITE[®] is dependent on the cumulative effects of temperature, pressure and chemical environment. Since Henkel Corporation is not able to exhaustively test all combinations of these variables, this data is furnished as a guideline for selection of an appropriate grade of DUALITE[®].

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