

TECHNICAL DATA SHEET

dualite U015-135W
dualite U015-135D

Product Description

Dualite U015-135W and Dualite U015-135D are heat-expandable polymeric microspheres. These microspheres consist of a polyvinylidene chloride shell which encapsulates a low boiling point liquid. Upon application of heat, the microspheres expand to form a low density, foamed layer in systems which incorporate these microspheres.

Dualite U015-135W is supplied as a wet cake that contains about 30% moisture and is recommended for aqueous systems. Dualite U015-135D is supplied as a dry powder with less than 3% moisture and is indicated for non-aqueous applications.

Product Features

- Expansion at low temperatures (>95°C)
- Good heat and solvent resistance
- Good resistance to yellowing upon exposure to heat, ultraviolet radiation, or high pH.

Typical Properties

	Dry	WET
Average particle size (µm)	10-15	10-16
Solids content (%)	>95	70
Nominal density g/cc	1.0	1.0
T start (°C)	95 – 100	95-100
T max (°C)	135 – 145	135-145
Shell composition	PVDC	PVDC
Blowing agent	isobutene	isobutene

We believe the above information is reliable, however the conditions of application and use of our products is beyond our control. No warranty is expressed or implied regarding the accuracy of this information. This information is supplied with the express condition that our customers will perform their own tests to determine the suitability of this product for their particular use.