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 (>95ºC)
- 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 (ºC)	95 – 100	95-100
T max (ºC)	135 – 145	135-145
Shell composition	PVDC	PVDC
Blowing agent	isobutene	isobutene

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