

TECHNICAL DATA SHEET

 **U010-130W**
 **U010-130D**

Product Description

Dualite® U010-130W and Dualite U010-130D are heat-expandable polymeric microspheres. These microspheres consist of a polyacrylonitrile shell that encapsulates a low boiling point liquid. Upon application of heat, the microspheres expand to form a low density foam in systems that incorporate these microspheres.

Dualite® U010-130W is supplied as a wet cake that contains about 30% moisture and is recommended for aqueous systems. Dualite® U010-130D is supplied as a dry powder with less than 3% moisture and is indicated for non-aqueous applications.

Product Features

- Expansion at low temperatures (>90 °C)
- Good heat and solvent resistance

Typical Properties

	<u>Wet</u>	<u>Dry</u>
Average particle size (µm)	12-17	12-17
pH	slightly alkaline	NA
Solids content (%)	70	>97
Nominal density g/cc	1.0	1.0
T start (°C)	90-95	90-95
T max (°C)	135-145	135-145
Maximum final density g/cc	0.0100	0.0100
kg/m ³	10.0	10.0
lbs/gal	0.083	0.083
lbs/cu-ft	0.62	0.62
Shell composition	ACN	ACN
Blowing agent	isobutene	isobutane

Shelf Life: Six months from date of manufacture under proper storage conditions. 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.