



TECHNICAL DATA SHEET

Dualite[®] E035-FR

Dualite[®] E035-FR is an ultra-low density product, based on polymeric microspheres externally coated with a fire retardant material. Produced in a unique manufacturing process, Dualite[®] E035-FR is free-flowing with no agglomerates and offers better survivability in more extreme industry flame testing than standard grades.

Dualite[®] Low Density Microspheres have shown utility in a variety of end uses, including plastics, coatings and adhesives. Dualite[®] can reduce product weight and lower volume costs by extending or displacing more costly resins. Dualite[®] can provide these benefits while often maintaining end-product properties.

TYPICAL PROPERTIES

Nominal Density

0.035 ± 0.015 g/cc
35 kg/m³
0.29 lbs/gal
2.19 lbs/cu-ft

Chemical Composition

Shell - acrylonitrile copolymer
Coating – ATH (Alumina Trihydrate)

Chemical Resistance

Most aliphatic & high esters - excellent
Aromatics & low esters - very good
Ketones – fair

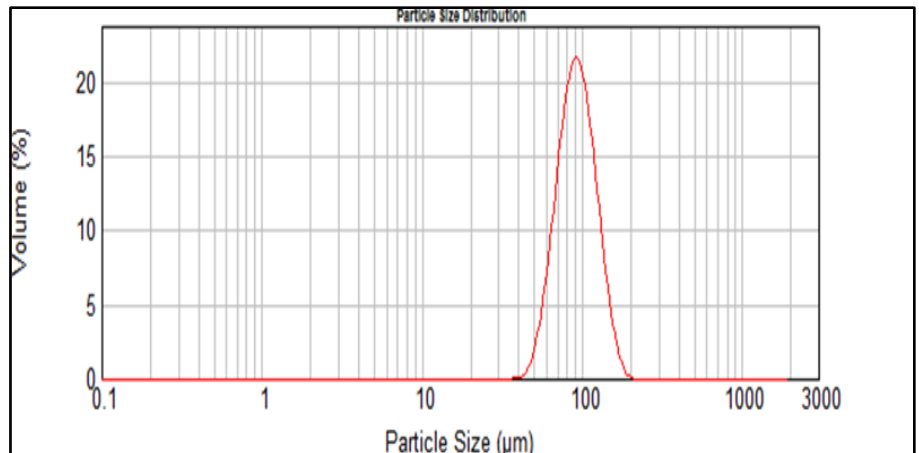
Heat Resistance

350°F (175°C) (time dependent)

Moisture

0.2-2.0%

Mode (Peak) 70 - 100 µm



Shelf Life: One year 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.

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