



420 Aluminum Powder Additive

Technical Data Sheet

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420 Additive

General Description

420 Aluminum Powder will increase the hardness and abrasion resistance of the coated surface and improve its moisture resistance. 420 provides limited protection from ultraviolet light in areas that will not be protected with other coatings and can be used as a base for subsequent painting. Cures to a metallic gray color.



Add to mixed resin/hardener at the rate of 5%-10% by volume or 1 ½ tablespoons per 8 fl. oz. of epoxy. 36 oz. of 420 will modify up to five gallons of mixed epoxy.

Composition

Aluminum (Al)	Silicon (Si)	Iron (Fe)
98.0% – 100.0%	0.20% Max.	0.40% Max.

Particle Size

Screen Size	Amount
+100 Mesh	3.0% Max.
+200 Mesh	0.5% Max.
-325 Mesh	65%-94%
Average Particle Diameter	50-60 Microns

Apparent Density	0.95-1.10 g/cm ³
Surface Area	0.15-0.25 m ² /g

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Physical Properties