

## The Chemical Company Adipic Acid, C6H10O4

Category : Other Engineering Material , Additive/Filler for Polymer

### Material Notes:

Adipic Acid is a mildly toxic, white, crystalline compound. The C6 straight-chain dicarboxylic acid is slightly soluble in water and soluble in alcohol and acetone. Nearly all commercial Adipic Acid is produced from cyclohexane. Almost 90 percent of Adipic Acid produced is used in the production of nylon 66. The nylon, which has a protein-like structure, is further processed into fibers for applications in carpeting, automobile tire cord, and clothing. Adipic Acid is also used to manufacture plasticizers and lubricant components. Food grade Adipic Acid is used as a gelling aid, an acidulant, and as a leavening and buffering agent. Molecular Formula: C6H10O4 Information provided by The Chemical Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_The-Chemical-Company-Adipic-Acid-C6H10O4.php](http://www.lookpolymers.com/polymer_The-Chemical-Company-Adipic-Acid-C6H10O4.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.700 g/cc	0.0253 lb/in <sup>3</sup>	
Ash	<= 0.00050 %	<= 0.00050 %	

Thermal Properties	Metric	English	Comments
Boiling Point	330 °C	626 °F	
Pour Point	151 °C	304 °F	
Flash Point	196 °C	385 °F	

Component Elements Properties	Metric	English	Comments
Iron, Fe	<= 0.000040 %	<= 0.000040 %	

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	Percent by volume

Descriptive Properties	Value	Comments
Appearance	White Crystalline Powder	
Assay	= 99.8%	
Hazen Color Value (pt-co)	= 30	

**Contact Songhan Plastic Technology Co.,Ltd.**

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