

# Technical Data Sheet

## Fly Ash—Class F

*Per ASTM C-618 Specifications*

**Product Description:** Fly Ash is a pozzolanic cement replacement that enhances the performance of concrete by increasing compressive strength, improving workability, durability, long term strength, resistance to freeze-thaw damage and reduces permeability, efflorescence shrinkage, thermal cracking, alkali silica reaction and sulfate attack in concrete. Basically using fly ash makes better concrete that is more economical and better for the environment.

### Physical Properties:

pH Value	4-12
Retained on a 325 Sieve	26.6%
Specific Gravity	2.0-2.9
Bulk Density	154.2 pcf

### Chemical Composition:

Quartz	SiO <sub>2</sub>	59.9
Calcium Oxide	CaO	11.5
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	4.8
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	14.3
Sulfur Trioxide	SO <sub>3</sub>	1.1
Sodium Oxide	Na <sub>2</sub> O	0.6
Potassium Oxide	K <sub>2</sub> O	0.4
Moisture Content		0.2
LOI		2.4

### Available Packaging:

Bulk, Super Sacks, Paper Bags. DMI can also provide on-site storage.

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