

# ASTM C-618

## Summary

		Class		
		F	C	N
<b>Chemical</b>				
SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub> + Fe <sub>2</sub> O <sub>3</sub>	min %	70	50	70
SO <sub>3</sub>	max %	5	5	4
Moisture Content	max %	3	3	3
Loss on Ignition	max %	6	6	10
<b>Optional Chemical</b>				
Available Alkalies	max %	1.5	1.5	1.5
<b>Physical</b>				
Fineness + 325 Mesh	max %	34	34	34
Strength Activity/Cem.	min %	75	75	75
Water Requirement	max %	105	105	115
Autoclave Expansion	max %	0.8	0.8	0.8
Uniformity Requirements				
Density Max. Var.	max %	5	5	5
Fineness Points Var.	max %	5	5	5
<b>Optional Physical</b>				
Multiple Factor		225	-	-
Increase in Drying Shrinkage	max %	0.03	0.03	0.03
Uniformity Requirements				
A.E. Admixture Demand	max %	20	20	20
Control of ASR				
Expansion, % of Low Alkali Cement	max %	100	100	100
Sulfate Resistance				
Moderate Exposure, 6 Months	max %	0.10	0.10	0.10
High Exposure, 6 Months	max %	0.05	0.05	0.05

