

ASTM C-618 SUMMARY

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

For more information or answers to questions about the use of fly ash in specific applications, contact your nearest Boral Resources Technical Sales Representative or call 1-770-684-0102

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