

Technical Data Sheet



PRODUCT: CA50-A600

Products	Usual rang	Specification limit
Chemical composition(%)		
SiO2	7.8-8.3	≤9.0
Al2O3	50.0-51.0	≥50.0
Fe2O3	1.5-2.5	≤3.0
R2O	-	≤0.5
S-	-	≤0.2
Cl-	-	≤0.06
Fineness		
325M(%)	-	≤20
Specific Surface Area S (m²/kg)	-	≥320
Setting time(min)		
Initial Setting Time (IS)	50-120	≥30
Final Setting Time (FS)	90-180	≤360
Flexural strength(Mpa)		
1d	-	≥5.5
3d	-	≥6.5
Compressive strength(Mpa)		
1d	45-55	≥40
3d	50-60	≥50
Mineral Phase Composition		
Main Mineral Phase	CA	
Secondary Mineral Phases	C12A7、C2AS、CT	
Physical Indicators		
Refractoriness	1400-1450℃	
Bulk Density	900-1000 kg/m³	
Specific Gravity	2.9-3.1 g/cm³	

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PRODUCT: CA50-A700

Products	Usual rang	Specification limit
Chemical composition(%)		
SiO2	7.0-7.5	≤8.0
Al2O3	50.5-51.5	≥50.0
Fe2O3	1.5-2.5	≤3.0
R2O	-	≤0.5
S-	-	≤0.2
Cl-	-	≤0.06
Fineness		
325M(%)	-	≤15
Specific Surface Area S (m²/kg)	-	≥350
Setting time(min)		
Initial Setting Time (IS)	50-120	≥30
Final Setting Time (FS)	120-210	≤360
Flexural strength(Mpa)		
1d	-	≥6.5
3d	-	≥7.5
Compressive strength(Mpa)		
1d	50-60	≥50
3d	60-65	≥60
Mineral Phase Composition		
Main Mineral Phase	CA	
Secondary Mineral Phases	C12A7、C2AS、CT	
Physical Indicators		
Refractoriness	1400-1450℃	
Bulk Density	900-1000 kg/m³	
Specific Gravity	2.9-3.1 g/cm³	

Technical Data Sheet



PRODUCT: CA50-A900

Products	Usual rang	Specification limit
Chemical composition(%)		
SiO2	5.0-5.5	≤6.0
Al2O3	53.5-54.5	≥53.0
Fe2O3	1.5-2.0	≤3.0
R2O	-	≤0.5
S-	-	≤0.2
Cl-	-	≤0.06
Fineness		
325M(%)	-	≤8.0
Specific Surface Area S (m²/kg)	-	≥380
Setting time(min)		
Initial Setting Time (IS)	50-120	≥150
Final Setting Time (FS)	210-300	≤360
Flexural strength(Mpa)		
1d	-	≥8.5
3d	-	≥9.5
Compressive strength(Mpa)		
1d	70-75	≥70
3d	80-85	≥80
Mineral Phase Composition		
Main Mineral Phase	CA	
Secondary Mineral Phases	C12A7、C2AS、CT	
Physical Indicators		
Refractoriness	1400-1450℃	
Bulk Density	900-1000 kg/m³	
Specific Gravity	2.9-3.1 g/cm³	