



TECHNICAL DATA SHEET

Properties	Sieves	AFS 40	AFS 45	AFS 50	AFS 55	AFS 65
		% Retained				
Sieve Analysis	# 30	2	-	-	-	-
	# 40	28	21	1	-	-
	# 50	54	34	25	16	8
	# 70	12	29	60	54	39
	# 100	3	13	13	25	44
	# 140	-	2	1	5	7
	# 200	-	1	-	-	1
	# 270	-	-	-	-	1
	Fines	1	-	-	-	-
Fineness Number	GFN	41.5	46.9	50.4	55.9	63.9
Fines smaller than 112 micra	%	0.5	0.2	0.1	0.2	2.0
Bulk Density	g/cm ³	2.10	2.03	1.98	1.95	1.96
Bulk Density	lb/ft ³	131.3	126.9	123.8	121.9	122.5
Specific Heat @ 1,100 °C	cal/g.°C	0.0978				
Thermal Conductivity @ 1,100 °C	W/m.°C	0.255				
Thermal Expansion @ 1,100 °C	%LC	0.253				
Shape	-	Espherical				
Chemical Composition, %	Al ₂ O ₃	74.0				
	Fe ₂ O ₃	14.5				
	SiO ₂	6.0				
	TiO ₂	1.8				
	MgO	0.02				
	Cr ₂ O ₃	0.0				
	Other	3.3				
Mineralogical Analysis, %	Corundum-(α - Al ₂ O ₃)	90.7				
	Hematite-(α - Fe ₂ O ₃)	5.3				
	Maghemite-(γ - Fe ₂ O ₃)	2.8				
	Pseudobrookite-(Fe ₂ TiO ₅)	1.1				
Loss on ignition	%	<0.10				
Moisture	%	<0.10				
pH	-	7.0				
Acid Demand pH 2	ml de HCl 0,1 N	7.4				
Acid Demand pH 6		2.6				
Permeability	cm ⁴ /g.s	370	-	-	155	-

The MSDS requests should be sent to sds@grupocurimbaba.com.br.

