

Alumina Silica Specifications

TYPICAL CHEMICAL ANALYSIS

	<u>M47-</u>	<u>M60-</u>	<u>M70-</u>
Alumina (Al ₂ O ₃)	47.80%	58.00%	68.00%
Silica (SiO ₂)	49.30%	38.30%	27.90%
Titania (TiO ₂)	1.78%	2.25%	2.61%
Ferric Oxide (Fe ₂ O ₃)	0.98%	1.31%	1.33%
Calcium Oxide (CaO)	0.03%	0.04%	0.06%
Magnesium Oxide (MgO)	0.04%	0.05%	0.04%
Sodium Oxide (Na ₂ O)	0.04%	0.02%	0.03%
Potassium Oxide (K ₂ O)	0.03%	0.03%	0.03%

TYPICAL PHYSICAL PROPERTIES

	<u>M47-</u>	<u>M60-</u>	<u>M70-</u>
Specific Gravity (gm/ml):	2.64	2.80	2.85
P.C.E. Temperature Value	3200°F	3310°F	3390°F

ORIGIN DATE: April 13, 1998
REVISION DATE: July 23, 1998



R&R
DENSPLY

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GRAIN PARTICLE SIZE SPECIFICATIONS (Percent Retained)

SCREEN GRADE	8 (2.38mm)	12 (1.70 mm)	14 (1.40 mm)	16 (1.18 mm)	20 (0.85 mm)	30 (0.60 mm)	40 (0.425 mm)	50 (0.30 mm)	70 (0.212 mm)	100 (0.15 mm)	140 (0.106mm)	200 (0.075 mm)	270 (0.053 mm)	325 (0.045 mm)	PAN
M47-8x16	0-10	30-50			40-60										0-10
M47-14x28		0	1 max		30-55	35-45	10-25	5 max							1.5 max
M47-16x30				0-3	65-75		4 max								1 max
M47-22S				TR	15-25	32-47	27-37	4-10						3 max	TR
M47-35S				TR	1-5	21-38	40-54		9-19		2-8				3 max
M47-50S					0	1-9	22-37	26-40	12-22	6-16	0-6				3 max
M47-60S						0	0-5	30-48	30-44	9-22	2-7				3 max
M47-20x60				TR	0-8	20-50		50-72						2 max	TR
M47-25x80					0-5	Even Distribution	80-93	7-12						2 max	
M47-50x100							TR	5-20		70-86	0-15	3 max		1 max	TR
M47-60x200								0	0-11		65-90	5-20	0-6		0-3
M47-200ICC										TR		15-25			75-85
M47-325ICC										TR				5-15	85-95
M60-22S				TR	15-25	32-47	27-37	4-10						3 max	TR
M60-35S				TR	1-5	21-38	40-54		9-19		2-8				3 max
M60-60SCC						0	4-14	32-46	32-46	5-15	0-5				0-1
M60-20x60				TR	0-8	20-50		50-72						2 max	TR
M60-200ICC										TR		15-25			75-85
M60-325ICC										TR				5-15	85-95
M70-200ICC										TR		15-25			75-85
M70-325ICC										TR				5-15	85-95



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