



POLARGuard Portfolio

PUREGuard™

Product Code		Units	5065S	5045S	5170P	5120P
Purity			5N	5N	5N	5N
Crystal Phase			alpha	alpha	alpha	alpha
BET Surface Area		m ² /g	6 - 10	6 - 10	4 - 7	4 - 7
PSD	D50	μm	0.55 - 0.8	0.3-0.55	1.4 - 2.0	1.0 - 1.4
Loose Density		g/cc	0.8-1.0	0.8-1.0	0.3-0.5	0.3 - 0.5
Impurities (Less than)	Na	ppmw	12	12	12	12
	Si	ppmw	8	8	8	8
	Fe	ppmw	5	5	5	5
	Ca	ppmw	5	5	5	5

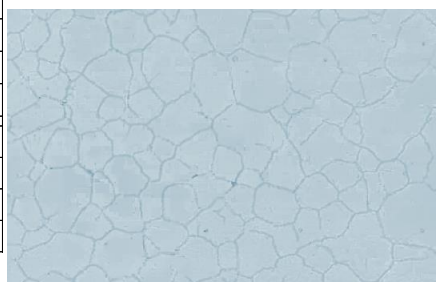
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TECHGuard™

Product Code		Units	4065S	4045S	4170P	4120P
Purity			4N	4N	4N	4N
Crystal Phase			alpha	alpha	alpha	alpha
BET Surface Area		m ² /g	6 - 10	6 - 10	4 - 7	4 - 7
PSD	D50	μm	0.55 - 0.8	0.3-0.55	1.4 - 2.0	1.0 - 1.4
Loose Density		g/cc	0.8-1.0	0.8-1.0	0.3-0.5	0.3 - 0.5
Impurities (Less than)	Na	ppmw	30	30	30	30
	Si	ppmw	12	12	12	12
	Fe	ppmw	10	10	10	10
	Ca	ppmw	8	8	8	8

UHPA



CRYSTALGuard™

Product Code		Units	5360Q	4360Q
Purity			5N	4N
Crystal Phase			alpha	alpha
Format			puck	puck
Average Fired Density		g/cc	>3.4	>3.4
Average Dimensions (L, W, H)		mm	59,59,39	59,59,39
Average Mass		g	450	450
Impurities (Less than)	Na	ppmw	5	30
	Si	ppmw	6	10
	Fe	ppmw	5	8
	Ca	ppmw	4	8

UHPA



Customized specifications available

Purity [ppmw]	Na	Mg	Si	Ca	Ti	Cu	Fe	K
4N [99.99%]	<30	<6	<12	<8	<5	<5	<10	<10
5N [99.999%]	<12	<3	<8	<5	<1	<2	<5	<5

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