

ISO 12103-1 Arizona Test Dust Contaminants

A2 Fine and A4 Coarse Grades

Typical Chemical Analysis

Chemical	% of Weight	Chemical	% of Weight
Silicon	69,0 - 77,0	Calcium	2,5 - 5,5
Aluminium	8,0 - 14,0	Magnesium	1,0 - 2,0
Iron	4,0 - 7,0	Titanium	0,0 - 1,0
Sodium	1,0 - 4,0	Potassium	2,0 - 5,0

ISO Test Dust Particle Size Distributions By Volume

Size [μm]	ISO 12103-1, A2 Fine (% less than)	ISO 12103-1, A4 Coarse (% less than)
0,97	4,5 - 5,5	0,74 - 0,83
1,38	8,0 - 9,5	1,8 - 2,1
2,75	21,3 - 23,3	5,5 - 6,3
5,50	39,5 - 42,5	11,5 - 12,5
11,00	57,0 - 59,5	21,0 - 23,0
22,00	73,5 - 76,0	36,0 - 38,5
44,00	89,5 - 91,5	58,0 - 60,0
88,00	97,9 - 98,9	85,0 - 86,5
124,50	99,0 - 100,0	93,0 - 94,0
176,00	100	97,2 - 98,2
248,90	---	99,0 - 100,0
352,00	---	100

ISO Test Dust Particle Size Distributions By Volume

Container	ISO 12103-1, A2 Fine (3.5 kg per jar/gallon)	ISO 12103-1, A4 Coarse (4.5 kg per jar/gallon)
Price Category 1	1 to 5 jars	1 to 5 jars
Price Category 2	6 to 23 jars	6 to 23 jars
Price Category 3	24 to 51 jars	24 to 51 jars
Price Category 4	52 to 199 jars	52 to 199 jars
Price Category 5	>200 jars	>200 jars
120 Liter Drum	150,0 kg	135,0 kg
220 Liter Drum	192,5 kg	247,5 kg

- 1) Each product is shipped with related particle size distribution.
- 2) Prices are subject to change without notice.
- 3) PTI/fiatec has no return policy on all products.