

RUTILE 90



GENERAL SPECIFICATION

CHEMICAL ANALYSES

TiO₂	Guaranteed	89.0 %min
	Typical	90% max
S	Guaranteed	0.03 max
	Typical	<0.01 - 0.02
Al₂O₃	Typical	0.1 - 0.4
CaO	Typical	0.01 - 0.04
Cr₂O₃	Typical	0.1 - 0.2
Fe₂O₃	Typical	1.50 - 2.60
MgO	Typical	0.01 - 0.07
MnO	Typical	0.005 - 0.03
Nb₂O₅	Typical	0.25 - 0.35
P₂O₅	Typical	0.01 - 0.04
SiO₂	Typical	2.5 - 4.5
Sn (ppm)	Typical	300 - 800
Th (ppm)	Typical	20 - 50
U (ppm)	Typical	20 - 50
V₂O₅	Typical	0.35 - 0.55
ZrO₂	Typical	2.5 - 3.5
Moisture	Typical	0.01 - 0.10

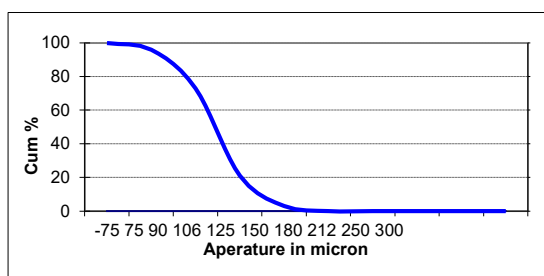
SIZE DISTRIBUTION

Sieves from British Standard BS410:1986 and American Standard ASTM E-11-81			
Mesh No	Sieve Aperture (µm)	% Retained	
		Typical	Range
52	300	0	0 - 1
60	250	0	0 - 1
70	212	0	0 - 1
85	180	0	0 - 1
100	150	0	0 - 5
120	125	3	2 - 10
140	106	18	10 - 30
170	90	52	40 - 60
200	75	23	10 - 30
-200	-75	4	0 - 10

D50 = 97

AFS = 134

Typical AFS No: 130 - 140



TiO₂ on a "dry" basis, all other analyses "as received"

TYPICAL PHYSICAL PROPERTIES			OTHER INFORMATION
(Data from mineralogy and chemistry text books denoted with *)			
Specific gravity*	4.2	Loss on Ignition (%)	See www.tronox.com for Material Safety Data Sheets
Bulk density (kg/m ³)	2600	0.15 - 0.25	
Angle of repose (°)	30		

RUTILE 90 is produced at Tronox Minerals Corp Siwest Nadana operations in Sothern Australia. RUTILE 90 is a natural product and as such slight variations in the chemical analysis and size distribution should be expected. Special contracts covering guarantees other than those specified may be negotiated.

For further information contact at www.tronox.com :

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