

## Material Specification : Aluminium Oxide

# SO 143

Chemical and Physical Analysis		Typical Value	Specification		Method
			Min.	Max.	
Al <sub>2</sub> O <sub>3</sub>	%	99,0	98,5	99,5	Dif.*
SiO <sub>2</sub>	%	0,009	0,001	0,015	DIN 51001 / XRF*
Fe <sub>2</sub> O <sub>3</sub>	%	0,012	0,008	0,018	DIN 51001 / XRF*
TiO <sub>2</sub>	%	0,002	0,001	0,003	DIN 51001 / XRF*
CaO	%	0,002	0,001	0,010	DIN 51001 / XRF*
Na <sub>2</sub> O	%	0,26	0,18	0,38	DIN 51001 / XRF*
L.O.I. <sup>1)</sup> (300° - 1000° C)	%	0,65	0,4	1,0	ISO 806
Bulk Density	kg/m <sup>3</sup>	960	930	1000	ISO 903
Angle of Repose	°	34	32	36	ISO 902
Specific Surface Area BET	m <sup>2</sup> /g	75	67	83	ISO 9277
Particle Size < 45 µm	%	11	3	15	ISO 13320-1
<sup>1)</sup> L.O.I. at the time of production * Data of dried material (105° C)					

### General Information

#### Appearance

White free-flowing powder

#### Packaging

Paper bags palletized, BigBags or bulk delivery

#### Safety Information

This product is non-hazardous, non-toxic and not inflammable. Since legislation may vary from country to country the specific instructions have to be adhered to.

#### Handling & warehousing

Due to the hygroscopic nature of the product, proper handling and storage are necessary.

#### REACH reference number

01-2119529248-35-0020

#### Please note

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