

Material Specification : Aluminium Oxide

SO 143

Chemical and Physical Analysis		Typical Value	Specification		Method
			Min.	Max.	
Al ₂ O ₃	%	99,0	98,5	99,5	Dif.*
SiO ₂	%	0,011	0,001	0,015	XRF*
Fe ₂ O ₃	%	0,012	0,008	0,018	XRF*
TiO ₂	%	0,002	0,001	0,003	XRF*
CaO	%	0,003	0,001	0,010	XRF*
Na ₂ O	%	0,31	0,22	0,38	XRF*
L.O.I. ¹⁾ (300° - 1000° C)	%	0,65	0,4	1,0	ISO 806
Bulk Density	kg/m ³	955	930	1000	ISO 903
Angle of Repose	°	34	32	36	ISO 902
Specific Surface Area BET	m ² /g	75	67	83	ISO 9277
Granulometry < 45 µm	%	11	5	15	ISO 13320-1
¹⁾ 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

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