

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	%	0,009	0,001	0,015	DIN 51001 / XRF*
Fe ₂ O ₃	%	0,010	0,004	0,018	DIN 51001 / XRF*
TiO ₂	%	0,002	0,001	0,003	DIN 51001 / XRF*
CaO	%	0,002	0,001	0,010	DIN 51001 / XRF*
Na ₂ O	%	0,31	0,22	0,38	DIN 51001 / XRF*
L.O.I. ¹⁾ (300° - 1000° C)	%	0,65	0,4	1,0	ISO 806
Bulk Density	kg/m ³	960	930	1000	ISO 903
Angle of Repose	°	34	32	36	ISO 902
Specific Surface Area BET	m ² /g	75	67	83	ISO 9277
Particle Size < 45 µm	%	11	3	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

Please note

Information contained herein is intended only for evaluation by technically skilled persons, and is to be used by such persons at their own discretion and risk. Such information is believed to be reliable, but Dadco assumes no responsibility for results obtained or damages resulting from such use.

Typical properties and chemical analyses are intended as examples and are not to be considered as substitutes for actual analyses in those situations where properties and chemical compositions are critical factors. Sales of Dadco products shall be independent and subject exclusively to the terms and conditions set forth in Dadco order acknowledgment.