

Material Specification: Reflamal S2 / S3 / S4 / S20 / S30

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.

REACH reference number

01-2119529246-39-0009

Chemical Properties	Unit	Reflamal S2	Reflamal S3	Reflamal S4	Reflamal S20	Reflamal S30	Method
Al(OH) ₃	%	>99,5	>99,5	>99,5	>99,5	>99,5	Dif.
Na ₂ O	%	<0,3	<0,3	<0,3	<0,3	<0,3	XRF
Fe ₂ O ₃	%	<0,02	<0,02	<0,02	<0,02	<0,02	XRF
SiO ₂	%	<0,1	<0,1	<0,1	<0,1	<0,1	XRF

Physical Properties	Unit	Reflamal S2	Reflamal S3	Reflamal S4	Reflamal S20	Reflamal S30	Method
Loss of ignition (110° - 1,100° C)	%	34,6	34,6	34,6	34,6	34,6	ISO 806
Crystal structure		Gibbsite	Gibbsite	Gibbsite	Gibbsite	Gibbsite	XRD
Specific gravity	g/cm ³	2,4	2,4	2,4	2,4	2,4	ISO 901
Whiteness, typical		>95	>95	>95	>95	>95	ISO 11664-4 T.4
Bulk density	kg/m ³	700-900	600-800	500-700	400-600	400-600	ISO 903
Specific surface area (BET)	m ² /g	1,0-2,3	1,5-3,0	1,8-4,0	5,0-8,0	11,5-15,0	DIN 66132
Medium grain size diameter	µm	13-20	8-14	4,0-7,5	3,5-5,5	1,5-3,5	ISO 13320-1

Please note

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