

KYOWAAD™ 700

“KYOWAAD™700” is the synthetic amorphous Aluminum Silicate.

This product is the strong solid acid, therefore it is widely used as an alkali adsorbent.

The adsorption capacity of this product is much better than that of a natural mineral such as an activated earth. In addition, because of its high specific surface area, this product is available for the various applications such as

- Oil absorption agent with high oil absorption capacity
- Moisture prevention agent with moisture buffering effect.

【Chemical formula】 $Al_2O_3 \cdot xSiO_2 \cdot mH_2O$

【Grade】

- KYOWAAD™ 700OSIF : Heavy fine powder
- KYOWAAD™ 700PL : Light fine powder
- KYOWAAD™ 700PEL : Extra light fine powder
- KYOWAAD™ 700SL : Good flowability type (Spherical particle)
- KYOWAAD™ 700SN : Excellent flowability type (Granule)

【Typical Data】

		OSIF	PL	PEL	SL	SN
Al ₂ O ₃	(%)	13.9	10.5	10.7	10.6	10.4
SiO ₂	(%)	57.7	63.9	64.4	61.4	61.4
Bulk Volume	(ml/g)	2.27	5.47	8.77	2.97	2.60
Loss on Drying	(%)	14.5	13.7	12.3	15.0	15.6
Specific Surface Area(BET)	(m ² /g)	30	143	621	196	199
Oil Absorption	(ml/100g)	60	120	195	175	—
Screen Analysis	(%)					
45μm pass		99.9	98.9	95.9	25.0	0.5
45-75μm		—	—	—	25.0	1.5
75-106μm		—	—	—	27.5	3.0
106-150μm		—	—	—	18.5	7.0
150-350μm		—	—	—	4.0	73.5
350μm on		—	—	—	0	14.5

Grade	Package	NET weight
OSIF, PL, SL, SN	Paper bag	20 kg
PEL	Paper bag	15 kg

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