

DETERCAL P7

White selective powders for softening effect and carrier special additive

Characteristics and advantages

DETERCAL P7 is a white calcium bentonite powder used in powder detergent formulations for its softening performances and for its functional capacity as carrier.

Raw material

Based on special selected calcium bentonite, very white montmorillonite

The high specific surface and the high cationic exchange capacity improve the mechanism and filling a higher number of fibre cavities with better final softening performance

Method of utilization

DETERCAL P7 powder must be added to the slurry in spray-dry systems for the production of heavy-duty powders. The advised percentage of bentonite in the detergent ranges between 8 and 15%wt.

Packaging

DETERCAL P7 is available in:

- 25 kg paper bags;
- big bags of 500/1000 kg;
- loose in silos/bulk-containers

CHEMICAL-PHYSICAL CHARACTERISTICS (typical values)		
		Detercal P7
Moisture	[%]	11 - 13
Color (Hunterlab)	L	88.0
	a	- 0.5
	b	+ 5.5
Cation exchange capacity	[meq/100g]	100
Swelling capacity	[ml/2g]	6-7
Bulk density	[g/ml]	0.70 - 0.85
Dry residue over 75 μ	[%]	10-15
Dry residue over 45 μ	[%]	20-25

CHEMICAL ANALYSIS (typical values)	[%]
SiO ₂	73.00
Al ₂ O ₃	15.00
TiO ₂	0.15
Fe ₂ O ₃	1.00
P ₂ O ₅	0.01
MnO	0.01
MgO	3.10
CaO	0.8
K ₂ O	0.7
Na ₂ O	0.6
L.O.I. (900°C)	5.0

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