



Molecular Sieve 4A

Formula $\text{Na}_2\text{O} \times \text{Al}_2\text{O}_3 \times 2\text{SiO}_2 \times \text{H}_2\text{O}$

Principal applications:

- drying of natural and oil gases;
- drying of process and instrumentation air;
- drying of reforming and cracking gas;
- drying and regeneration of transformer oil;
- drying and recovery of freon-oil cooling agents for refrigerating plants (NaA-2KT is produced upon the request of a Customer);
- as the filter for drying and recovery of motor oils, diesel and gasoline type fuels;
- etc.

Manufactured according to Technical Specifications 2163-003-15285215-2006
It is recommended by the All-Russian Power-Engineering Scientific Research Institute of «RAO UES Russia» to use at the power enterprises for drying «crude transformer oils».

Parameters	Brand A		Brand T		Brand Q		
	Standards acc. to TS	Actual parameters	Standards acc. to TS	Actual parameters	Standards acc. to TS	Actual parameters	
Appearance	Extrudate		Tri-lobe		Quadri-lobe		
Bulk density, g/cm ³	0,66 ≤	0,75±0,85	0,66 ≤	0,70±0,85	0,66 ≤	0,70±0,85	
Granules size, mm	4,5±0,5 3,6±0,4 2,9±0,3 2,4±0,2 2,0±0,2 1,6±0,2		4,5±0,5 3,6±0,4 2,9±0,3 2,4±0,2 2,0±0,2 1,6±0,2		4,5±0,5 3,6±0,4 2,9±0,3 2,4±0,2 2,0±0,2 1,6±0,2		
Crushing strength, kg/mm ²	Ø 4,5 ± 0,5 Ø 3,6 ± 0,4 Ø 2,9 ± 0,3 Ø 2,4 ± 0,2 Ø 2,0 ± 0,2 Ø 1,6 ± 0,2	1,8 ≤ 1,8 ≤ 2,0 ≤ 2,0 ≤ 2,0 ≤ 2,0 ≤ 2,0 ± 3,0	1,5 ≤ 1,5 ≤ 1,8 ≤ 1,8 ≤ 1,8 ≤ 1,8 ≤	1,8 ± 2,8	1,5 ≤ 1,5 ≤ 1,8 ≤ 1,8 ≤ 1,8 ≤ 1,8 ≤	1,8 ± 2,8	
Dynamic water capacity, mg/cm ³ For granules, mm	Ø 4,5±0,5 Ø 3,6±0,4 Ø 2,9±0,3 Ø 2,4±0,2 Ø 2,0±0,2 Ø 1,6±0,2	125 ≤ 135 ≤ 140 ≤ 145 ≤ 150 ≤ 155 ≤	125±140 135±145 140±160 145±165 150±170 155±180	130 ≤ 137 ≤ 145 ≤ 150 ≤ 155 ≤ 160 ≤	130±145 137±150 145±165 150±165 155±175 160±185	132 ≤ 140 ≤ 147 ≤ 152 ≤ 157 ≤ 162 ≤	132±145 140±150 147±165 152±170 157±175 162±185
Mass fraction of water resistance, %	99,0 ≤	99,0-99,9	99,0 ≤	99,0-99,9	99,0 ≤	99,0-99,9	
Ignition loss, %	Not more than 5						

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