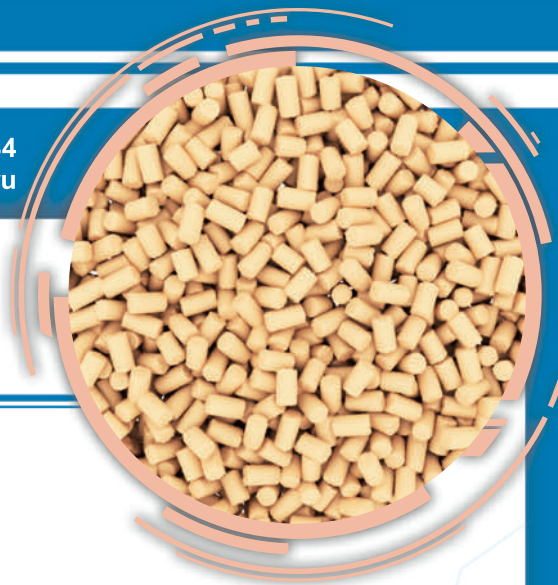


Molecular Sieve NaX-GDO (13X)

Formula $\text{Na}_2\text{O} \times \text{Al}_2\text{O}_3 \times 2,5\text{SiO}_2 \times \text{H}_2\text{O}$



Principal applications:

- fine gas and liquids purification from hydrogen sulfide, mercaptans and other sulfur compounds as well as deep dehydration and fine purification from carbon dioxide
- etc..

Manufactured according to Technical Specifications 2163-017-94262278-2011
Molecular sieve 13X - GDO has an extended mercaptan adsorption dynamic capacity.

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	0,60 ≤	0,65±0,85	0,60 ≤	0,65±0,85	0,60 ≤	0,65±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	1,3 ≤	1,5-2,5	1,3 ≤	1,5-2,5	1,3 ≤	1,5-2,5
Dynamic water capacity, mg/cm ³ For granules, mm						
Ø 4,5±0,5	140 ≤	140±150	140 ≤	140±150	140 ≤	140±150
Ø 3,6±0,4	145 ≤	145±155	145 ≤	145±155	145 ≤	145±155
Ø 2,9±0,3	150 ≤	150±160	150 ≤	150±160	150 ≤	150±160
Ø 2,4±0,2	152 ≤	152±162	152 ≤	152±162	152 ≤	152±162
Ø 2,0±0,2	154 ≤	154±165	154 ≤	154±165	154 ≤	154±165
Ø 1,6±0,2	158 ≤	158±170	158 ≤	158±170	158 ≤	158±170
Dynamic Benzole capacity, mg/cm ³ For granules, mm						
Ø 4,5±0,5	70 ≤	70±75	70 ≤	70±75	70 ≤	70±75
Ø 3,6±0,4	75 ≤	75±80	75 ≤	75±80	75 ≤	75±80
Ø 2,9±0,3	80 ≤	80±85	80 ≤	80±85	80 ≤	80±85
Ø 2,4±0,2	81 ≤	81±86	81 ≤	81±86	81 ≤	81±86
Ø 2,0±0,2	83 ≤	83±88	83 ≤	83±88	83 ≤	83±88
Ø 1,6±0,2	87 ≤	87±92	87 ≤	87±92	87 ≤	87±92
Mercaptan dynamic capacity, mg/cm ³ For granules, mm	105 ≤	105±115	110 ≤	110±125	115 ≤	115±130
Mass fraction of water resistance, %, not less than	98,0 ≤	99,0 – 99,9	98,0 ≤	99,0 – 99,9	98,0 ≤	99,0 – 99,9
Ignition loss, %	Not more than 5					

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