

3A and 5A Molecular Sieves

Product Family: High quality, multi-purpose adsorbents based on K-A and Ca-A

Typical Applications: drying of cracked gas, olefins and alcohols
insulated glass dessicant
drying and sweetening of sour gas with minimum COS formed
separation of normal and iso-paraffins
PSA nitrogen purification

3A Molecular Sieves (K-A)

Property		Round Bead		Cylindrical Pellet		Notes
Diameter	mm	1.6-2.5	3-5	1.6	3.2	
Static H ₂ O Adsorption	wt%	> 21	> 21	> 20	> 20	R.H. 50%, 25 C.
Bulk Density	g/ml	> .75	> .75	> .65	> .65	Settled
Ignition Loss (LOI)	wt%	< 1.5	< 1.5	< 1.5	< 1.5	575 C, 1 hr.
Attrition Loss (LOA)	wt%	< .1	< .1	< .2	< .2	ASTM
Crush Strength	N	> 30	> 80	> 40	> 70	Anvil

5A Molecular Sieves (Ca-A)

Property		Round Bead		Cylindrical Pellet		Notes
Diameter	mm	1.6-2.5	3-5	1.6	3.2	
Static H ₂ O Adsorption	wt%	> 22	> 22	> 21	> 21	R.H. 50%, 25 C.
Bulk Density	g/ml	> .75	> .73	> .64	> .64	Settled
Ignition Loss (LOI)	wt%	< 1.5	< 1.5	< 1.5	< 1.5	575 C, 1 hr.
Attrition Loss (LOA)	wt%	< .1	< .1	< .2	< .2	ASTM
Crush Strength	N	> 30	> 80	> 30	> 70	Anvil

Packaging options: 25 kg carton with inner polyethylene bag
55 gallon drum with polyethylene liner
Other packaging, including jumbo bags, upon request

EURECAT - Zeolites, Molecular Sieves and Custom Catalysts