



# TRICAT

## Product Information Sheet

### 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 <sub>2</sub> O Adsorption	wt%	> 21	> 21	> 20	> 20	R.H. 50%, 25 C.
Bulk Density	g/ml	> .70	> .70	> .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 <sub>2</sub> O Adsorption	wt%	> 22	> 22	> 21	> 21	R.H. 50%, 25 C.
Bulk Density	g/ml	> .70	> .68	> .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



TRICAT Zeolites, Molecular Sieves and Custom Catalysts

Tel: (410) 785-7900  
Fax: (410) 785-7901

**Headquarters**  
260 Schilling Circle  
Hunt Valley, Maryland 21031

[www.tricatgroup.com](http://www.tricatgroup.com)