

TRAMFLOC, INC.

6046 FM 2920 Road, #615, Spring, TX 77379 Voice: 888-929-8973 Fax: 480-383-6895

water@tramfloc.com

www.tramfloc.com

TRAMFLOC® AA400 Activated Alumina

TRAMFLOC® AA400 is a spherical activated alumina that has a high macroporosity and high surface area. It ensures maximum capacity for removing both HF and organic fluorides from hydrocarbon streams.

TRAMFLOC® AA400 activated alumina is used as a high-capacity scavenger for defluorination of butane, propane, and alkylate streams produced in the HF alkylation process. The AA400 alumina is converted to aluminum fluoride.

Use of AA400 activated alumina allows the user to participate in the Recoverable Alumina Fluoride (RALF) program, provided the spent product meets established criteria.

GRADES

1/2" x 1/4"	(12.7 mm x 6.4 mm)	(5/16 inch nominal)
1/4"	(6.4 mm)	(1/4 inch nominal)
3x6 mesh	(6.7 mm x 3.3 mm)	(3/16 inch nominal)
5x8 mesh	(4.0 mm x 2.4 mm)	(1/8 inch nominal)

TYPICAL PROPERTIES: (5x8 Beads)

Surface area (m ³ /gm)	325
Bulk density (lb/ft ³)	48 (767 kg/m ³)
Crush strength ⁽¹⁾ (lb _f)	23 (10.3 kg _f)
Abrasion loss (wt -%)	0.3
Macroporosity >700Å (cc/gm)	0.13

⁽¹⁾Crush strength varies with the sphere diameter. The crush strength reported is for a 6 mesh (3.3 mm) sphere.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃ (wt -%)	93.6
SiO ₂ (wt -%)	0.02
Fe ₂ O ₃ (wt -%)	0.02
Na ₂ O (wt -%)	0.35
Loss on ignition (wt -%)	6.0

TRAMFLOC® AA400 is packaged in the 55-gallon fiber drums, 350# net and quick load, 800 kg sacks

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