

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® 5A Activated Alumina

TRAMFLOC® 5A 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® 5A activated alumina is used as a high-capacity scavenger for defluorination of butane, propane, and alkylate streams produced in the HF alkylation process. The 5A alumina is converted to aluminum fluoride.

Use of 5A 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)
7x10 mesh	(3.0 mm x 2.0 mm)	(1/16 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® 5A is packaged in the following containers.

- 55-gallon steel drums
- quick load bags

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