

Ammonium Perchlorate

Premium quality in compliance with international standards

Ammonium Perchlorate is mostly used as the oxidizer of solid propellants for rockets and missiles.

The Ammonium Perchlorate produced is composed of rounded grains that optimize the performance of any propellant, giving it the classification of a premium product in the market.

It complies with major international specifications and meets the MILA-192B standard, approved and adopted by the US Armed Forces and worldwide.



Fine grain:
20-90 micron

Medium grain:
200 micron

Coarse grain:
400 micron



** The specification of the product are for informative purposes only and may be changed without prior notice.*

AMMONIUM PERCHLORATE APPLICATIONS

- Solid propellants Composite
- Satellite Launching Vehicles, Sondas;
- Missiles;
- Rocket motors;
- Air Bags.

PACKING - SAFETY IN EVERY DETAIL

The Ammonium Perchlorate is packed in dry moistureproof sealed containers, in compliance with the international export regulations, ensuring stability and safety during its transport, and is approved by the Brazilian Navy for overseas shipping.

The Ammonium Perchlorate can be packed in 25 kg bags or in 225 kg drums (net weight) containing desiccant to control moisture.



Description	Fine Classified			Medium 200 micron		Coarse 400 micron	
	20 micron (with TCP)	50 micron (with TCP)	90 micron (with TCP)	Rotary (with TCP)	Rounded (without TCP)	Rotary (with TCP)	Rounded (without TCP)
Assay as NH_4ClO_4	98.6	98.6	98.8	98.8	99.0	98.8	99.0
Sodium, as Na itself	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Potassium, as K itself	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Total moisture	0.03	0.03	0.03	0.08	0.08	0.08	0.08
Moisture Surface	---			0.02	0.02	0.02	0.02
pH solution saturation	6.0 - 7.06	.0 - 7.0	5.5 - 6.55	.5 - 6.5	4.5 - 5.55	.5 - 6.5	4.5 - 5.5
Insoluble in water	0.50	0.50	0.25	0.25	0.03	0.25	0.03
Chloride as NH_4Cl	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Chlorate as NH_4ClO_3	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Iron, as Fe_2O_3	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Sulfated Ash	0.65	0.65	0.45	0.45	0.25	0.45	0.25
Tricalcium Phosphate(TCP)	0.35 - 0.45	0.35 - 0.45	0.35 - 0.45	0.15 - 0.25	-0	.15 - 0.25	-

%Retained on U.S Sieve no (cumulative)	Fraction Passing Through U.S.Sieve %						
	Fine Classified			Medium 200 micron		Coarse 400 micron	
	20 micron (with TCP)	55 micron (with TCP)	90 micron (with TCP)	Rotary (with TCP)	Rounded (without TCP)	Rotary (with TCP)	Rounded (without TCP)
12	---						99.5
18	---					Min. 99.5	-
30	---						Min. 99.5
40	---						45 - 65
50	---					88 - 96	0 - 3
70	---					50 - 70	-
100	---					17 - 38	-
140	---					2 - 15	-
200	---					1 - 5-	
325	---					Max. 2	-

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