

## PYROTECHNIC ALUMINIUM POWDER

### FIREWORKS APPLICATION

Product: 000 S

Characteristics	UOM	Test Method	Specification
<u>Sieve analysis:</u> Passing thro 45 µm	%	ISO-1247	99 min
Apparent Density (loose pouring)	g/cc	In-house	0.54 – 0.56
Tap Density	g/cc	ISO-3953	1.10 – 1.25
<u>Burning property</u> Spreading Glowing	sec sec	In-house	40 – 80 10 – 30
Fatty matter	%	ISO-1247	1 max
Total metallic impurities (Fe+Cu+Mn+Mg+Zn+Si)	%	AAS	1 max
Active Aluminium content	%	IS-438	68 min
Total Aluminium	%	Volumetry	82 min
D50	µm	Malvern-2000	7 typical

000 S Pyrotechnic lamellar Aluminium Powder made out of primary high pure Aluminium ingot of > 99.7 % purity, by atomization of molten Aluminium liquid, followed by safe dry ball milling process used for making Aerial shots, Heavy sound crackers etc in Fireworks applications. 000-S is an improved version of 000, produces loud sound when used in aerial echoes; owing to its ability to transmit heat, it is used in the coating of coloured pellets which are used in areal displays; finds application in producing variety of colours such as green, red, yellow, silver, violet etc; very good in micro stars; provides excellent violet colour in micro as well as in macro stars because obtaining violet colour is difficult in fireworks, which is a rare characteristic associated; enhancing the color producing effect and ignition properties

*The data on this technical information sheet correspond with the current status of our knowledge and experience. The liability for the application and processing of our products lies with the buyer, and he is also responsible for observing any third party rights. We reserve the right to alter any product data as a result of technical progress or further developments in the manufacturing process.*

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