Calcium Stearate TECHNICAL DATA SHEET



Chemical Formula : C₃₆H₇₀CaO₄ Cas No.1592-23-0

Description

Calcium Stearate is a white free flowing powder that is insoluble in water, providing it water repellent properties. It is produced from heating stearic acid and calcium oxide. It has anti-foaming and anti-caking qualities. Calcium stearate has excellent dispersion properties and a controlled particle size, resulting in its widespread use as a lubricant.

Applications

Calcium Stearate is used as a lubricant in plastics production and in the process of extrusion laminating of plastics and metals. It is used as a concrete efflorescence control agent and as a gelling agent in pharmaceuticals. It is used to waterproof fabrics and as an anticaking and flow agent in a variety of applications.

Packaging

Packaged in 25kg bags.

No.	ITEMS DESCRIBE	INDEX
01	Appearance	White free flowing powder
02	Loose bulk density (g/mL)	Approx. 0.22
03	Tapped density (g/mL)	Approx. 0.26
04	Moisture content (%)	≤2
05	Electrolytes (%)	≤ 1
06	Residue on 300 Mesh (%)	≤ 0.2
07	Melting point (°C)	160 ± 5
08	Gel quality	Clear and transparent
09	Calcium oxide content (%)	9 – 10
10	Ash content (%)	10 – 11
11	Free fatty matter (%)	≤ 1
12	рН	8 – 10.5

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