

Calcium Stearate

TECHNICAL DATA SHEET



Chemical Formula : $C_{36}H_{70}CaO_4$
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 ($^{\circ}C$)	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	pH	8 – 10.5