

Description

PEPTON 22 is a peptiser for use in the high-temperature mastication of natural and synthetic rubbers.

Chemical Composition

2,2' dibenzamido diphenyl disulphide.

Properties

Appearance	grey/yellow crystalline powder
Specific Gravity	1.35
Melting Range	136 to 150°C
Odour	practically none
Ash, % wt	0.5 maximum
Loss @ 105°C, % wt	0.5 maximum
Residue on 100 Mesh (BS410) % wt	0.5 maximum
Residue on 200 Mesh (BS410) % wt	4.0 maximum

Technical Behaviour

PEPTON 22 is effective at temperatures in excess of 120°C and reduces mastication time and energy requirements, giving increased production capacity. The peptising action is inhibited by sulphur, so, compounded rubbers undergo no further viscosity change on storage. Mastication should be completed before the addition of other compounding ingredients.

PEPTON 22 has little, if any, effect on the rate of cure of rubbers or on the properties and performance of vulcanisates.

Colouration

Does not cause discolouration or staining.

Dispersion

Disperses readily at mixing temperatures.

Application

PEPTON 22 is used in the high-temperature mastication of natural rubber, polyisoprene, SBR and nitrile rubbers where it is desired to increase the efficiency of breakdown. Its use is usually restricted to internal mixers because of its high activation temperature.

Subject to certain restrictions **PEPTON 22** is permitted under the American FDA Regulations for use in rubbers coming into contact with foodstuffs.

Recommended Dosage

0.2 to 0.5 phr in natural rubber and synthetic polyisoprene.
1.5 to 3.0 phr in SBR and nitrile elastomers.

Storage Stability

Good, under cool dry conditions. However, **PEPTON 22** should be used within 12 months of manufacture. Some compaction may occur in storage. This is normal and will not affect the inherent performance of the product.

Packaging

Multi-ply paper sacks containing 25 kg.