Pepton® 82
(2,2'-Dibenzamido Diphenyl Disulphide)

Pepton® 82 is a blend of 25% Dibenzamido Diphenyl Disulphide (DBD) and organo metal complex with paraffin oil to reduce dusting, provide ease of dispersion and the best incorporation in the rubber mix.

Sole European producer of DBD

Excellent dispersion for uniform viscosity control

Optimised for fine tuned performance and energy savings

Applications

- Pepton® 82 catalytically reduces the viscosity of natural rubber and unsaturated synthetic elastomers during compounding as a result significantly reducing both power consumption and processing time.
- Pepton® 82 is a medium concentration chemical peptiser (25% active) and processing additive for natural rubber. It is easily dispersed thus preventing "Hot Spot" during mastication.

Features and Benefits

- Thomas Swan is the only European producer of the primary active ingredient used in chemical peptisers.
- Pepton® 82 is used where fastest and most consistent dispersion is required, particularly where mixing equipment alone cannot ensure a uniform dispersion.
- Pepton® 82 provides the optimum combination of active content and dispersion, ensuring cost effective use, minimal addition of inert carriers and fillers, while still delivering consistency and uniformity in use.
- Pepton 82 is formulated to allow highly accurate dosing without dusting.
- Thomas Swan 100% active Pepton® 22, the foundation of all Thomas Swan Pepton® formulations has an unrivalled production specification, delivering first in class performance and consistency.
- Our global network of sales offices, direct logistics and US and UK formulating production centres ensures short lead times from stock and security of supply from a fourth-generation company supplying "the original Peptoniser brand"
- Thomas Swan Pepton® grades offer unrivalled sustainability and Carbon footprint, thanks to our onsite Anaerobic Digestion plant, Pepton® products are currently produced using >85% renewable energy.
- Free-flowing and suitable for automatic weighing.
- More effective mastication means desired viscosity reduction is faster and with less energy
- Lower viscosity rubber compounds enable higher process speeds in extrusion, calendaring, and moulding
- Non-toxic formulation contains no volatiles.

Mode Of Action

- Pepton® 82 accelerates molecular chain scission during mastication and stops recombination, reducing time and power usage, thus lowering production costs, and increasing capacity.
- The peptizing action is inhibited by sulphur, so compounded rubbers undergo no further viscosity change on storage.

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Packaging

- Cardboard cartons with polythene liners. Nett weight 25 kg.
- Custom pre-weighed, low melt polyethylene bags, accurate to +/- 1g.

Shelf Life

Store under cool dry conditions. Pepton® 82 should be used within four years of manufacture. Some compactions may occur in storage. This is normal and will not affect the inherent performance of the product.

Handling

Consult relevant Material Safety Data Sheet

Guidelines for Use

0.1 - 0.5 phr for natural rubber
1.5 - 3.0 phr for unsaturated synthetic elastomers

Physical and Chemical Properties

Physical State	Solid
Colour	Blue / Green
Appearance	Oiled Powder
Melting Point	136°C to 150°C
Relative density	1.35 @ 20°C
Solubility Water	<1mg/l @ 20°C
Odour	Slight

Selling Specification

Ash %: wt	51.5 - 55.5
Activator %	0.19 - 0.47

Inventory Status

Australia	Listed on AICIS	New Zealand	Listed on NZIoC
Canada	Listed on DSL	Philippines	Listed on PICCS
China	Listed on IECSC	Taiwan	Listed on TCSI
EU	Registered under REACH	Thailand	Listed on TDCA
Japan	Listed on ENCS	USA	Listed on TSCA (Active)
South Korea	Listed on AREC	Vietnam	Listed on VNECI
Malaysia	Not Listed	UK	Grandfathered
Mexico	Listed on INSQ		

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