

# Pepton® 62

## (2,2'-Dibenzamido Diphenyl Disulphide)

Pepton 62® A blend of 40% Dibenzamido Diphenyl Disulphide (DBD) and organo metal complex with paraffin oil to reduce dusting and provide the best incorporation in the rubber mix.

Sole European producer of DBD

Dust-free & oil treated blend for safer handling

Uniform dispersion and energy-efficient mixing

### Applications

- A catalytical viscosity reducer for natural rubber and unsaturated synthetic elastomers, reducing power consumption and processing time.
- A ready for use additive compatible with the majority of open or internal mixing equipment.

### Features and Benefits

- Thomas Swan is the only European producer of the primary active ingredient (DBD) used in chemical peptisers.
- Based on Thomas Swan 100% active Pepton® 22, the foundation of all Thomas Swan Pepton® formulations.
- Specifically formulated to be free flowing and dustless in comparison to non- oil treated peptisers, enabling highly accurate and consistent dosing.
- Combines high effectiveness and speed of action with minimum dosage requirement.
- Free-flowing and suitable for automatic weighing.
- Effective mastication, faster viscosity reduction utilising less energy and enabling higher process speeds in extrusion, calendaring, and moulding.
- Non-toxic formulation contains no volatiles.
- Available in a broad range of pack options including custom pre-weighed, low melt packs, accurate to +/- 1g.
- Global network of sales offices, direct logistics and US and UK manufacturing and formulating centres ensuring security of supply and short lead times from stock.

### Mode Of Action

- Pepton® 62 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.

### 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® 62 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. recommended that the product is used within 48 months of certification.



Committed to Responsible Care

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### Handling

Consult relevant Material Safety Data Sheet

### Guidelines for Use

0.2 - 0.5 phr for natural rubber

1.5 - 3.0 phr for synthetic elastomers.

Effective in mastication at 70°C and above, best performance is obtained at 150 - 160°C. 0.36 -

### Physical and Chemical Properties

Appearance	Blue/green powder
Molecular Mass	456g/mol
Melting Point	136° to 150°C
Odour	Slight, characteristic
Solubility Water	<1mg/l @ 20°C

### Selling Specification

Ash %: wt	36-39
Activator %	0.36 - 0.60

### 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	Türkiye	Registered under KKDIK
South Korea	Listed on AREC	USA	Listed on TSCA (Active)
Malaysia	Not Listed	Vietnam	Listed on VNECI
Mexico	Not Listed	UK	Grandfathered

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