

Pepton® 66

(2,2'-Dibenzamido Diphenyl Disulphide)



High-performance additive for viscosity reduction in natural rubber and unsaturated synthetic elastomers. A blend of 40% Dibenzamido Diphenyl Disulphide (DBD) and organo metal complex on low melt carriers in a pellet form.

Sole European producer of DBD

Low-dust pellets for cleaner & automated processing

Rapid and uniform dispersion for consistent results

Applications

- Catalytic viscosity reducer for natural rubber and unsaturated synthetic elastomers.
- A 'ready for use' peptising 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.
- Formulated specifically to disperse more rapidly and uniformly than other 40% active peptisers.
- Fast, easy incorporation, even at lower processing temperatures.
- Specifically formulated with low melting point and Ash content.
- All Pepton® products are currently produced using >85% renewable energy offering unrivalled sustainability and Carbon Footprint.
- Free-flowing and suitable for automatic weighing.
- Effective mastication with faster viscosity reduction utilising less energy.
- Enables 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® 66 prevents the recombination of the chains of natural rubber following radical scission during the mastication process, thus reducing the viscosity of the polymer.
- The peptising action is inhibited by sulphur, so compounded rubbers undergo no further viscosity change on storage.

Packaging

- 20 kgs in sealed polythene liner bag in cardboard carton.
- Custom pre-weighed, low melt polyethylene bags, accurate to +/- 1g.

Shelf Life

Store under cool dry conditions. Pepton® 66 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.



Committed to Responsible Care

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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

Effective in mastication at 70°C and above, optimum performance is achieved at 150 - 160°C.

Physical and Chemical Properties

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

Selling Specification

Ash %: wt	21-27
Activator %	0.3 - 0.5
Moisture % Max	0.25
Binder %	28.5 - 323.5

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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