



Birch Chemicals

TDS Innovoh

Technical Data Sheet

Innovoh®

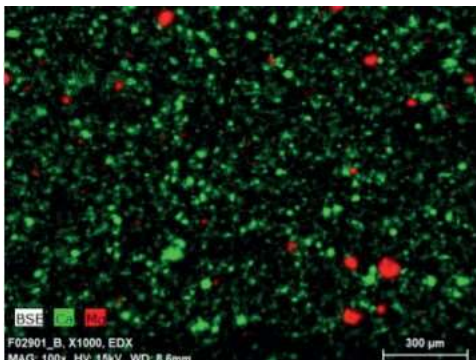
Innovoh is a powder consisting of ultra-fine particles of calcium oxide, which gives excellent mixing and dispersion characteristics.

Calcium hydroxide is used as a cure additive and acid scavenger in bisphenol cured FKM fluoroelastomers. It is not used in peroxide cured systems.

Acid scavenging capacity is particularly useful in systems containing chlorine or fluorine. Calcium hydroxide will react with any free hydrochloric or hydrofluoric acid to neutralise the acid and prevent any corrosive impact on metal parts.

Innovoh contains high quality, ultra-fine calcium hydroxide which is extremely consistent in its performance. Innovoh powders contain 100% calcium hydroxide powder.

Dispersion



In tests conducted by Artis, Innovoh shows exceptional dispersion in use, giving consistent results and high quality finished product as can be seen from the attached SEM.

The same tests show that competitor products are not as well dispersed and contain much larger particles, so consistency of results is much lower.

See TECHNICAL REPORT | BCTROH0002 - Comparison of Innovoh and Competitor Material in FKM

Applications

Innovoh calcium hydroxides are typically used in fluoroelastomers such as FKM. Applications such as seals, hoses and gaskets and in non-peroxide cured systems. Addition of Innovoh gives increased cross link density due to its ultrafine size and superior, consistent dispersion.



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Addition

Typical dose rate for Innovoh would be 5 phr.

Our Innovations Team can help with advice on dose and addition point.

Properties

For product specification see the relevant sales specification and for safety information, see the Material Safety Data Sheet. Both are available on request from your sales contact.

Innovoh	Ultrafine calcium hydroxide powder	Ca(OH)₂ wt% 100%	Dispersion aid wt% 0%
PSD Typical		D50 2.4 microns	D90 4.9 microns
Low melt sachet - melting point		70 – 80°C	

Packaging

Innovoh is available in 1kg low melt EVA sachets which can be put directly into the mixer, or 1kg resealable HDPE pouches. Other pack sizes and packaging types available on request.

Storage

Innovoh must be stored inside, in clean dry conditions and unopened packaging. If stored correctly, Innovoh has a minimum shelf life of 12 months from date of production, or 24 months if supplied in HDPE Pouches.

Advice and Consultancy

Our Innovations Team can help with advice on the use of Innovoh and for a more comprehensive service, we offer Innovation consultancy which can provide mix design, safety and handling solutions. For more information, please contact us on:

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