

NATURE BOUND

A compostable binder system for food filtration materials that protect you and the planet



THE ARCHROMA WAY TO A SUSTAINABLE WORLD

NATURE BOUND / Performance components of the system

Appretan® NTR liq

Partially bio-based polymer dispersions

- Compostable binders** with 30-40% bio content
- Formaldehyde, biocide and APEO free*
- Food contact compliant
- GOTS 6.0 and Oekotex Standard 100 compliant
- Biodegradability >80% (OECD Test 302B)
- Excellent dry and wet tensile strength, higher crosslinking possible
- Improved water resistance
- Easy handle adjustment by blending of both elements

New! **Appretan® NTR6304 liq**
Soft handfeel

Appretan® NTR6553 liq
Hard handfeel



Antimussol® 4752 liq

Defoamer

- Efficient foam control agent
- Food contact compliant
- Silicone free

Cartabond® NY liq

Crosslinker

- Efficient dry/wet strength improver
- Food contact compliant
- Formaldehyde, and APEO free*
- Low temperature curing possible
- No additional catalyst needed

* Below limits of detection

** According EN13432:2000-12:

Results of the disintegration test

composting time [weeks]	retain on screen mesh > 2 mm [% DW]
0	100
12	0

NATURE BOUND / Main benefits in a nutshell

- Safe products from a reliable global partner who applies international safety standards
- Food contact compliant system solution covering function and coloration (BfR XXXVI)
- Controlled and safe chemistry for workers & end consumers
- Improved dry and wet tensile strength
- Excellent water resistance (including hot water) and absorption properties
- Improved durability in combination with crosslinking agents
- Hand feel customization by blending of our core components
- Embracing sustainable production by enhanced compostability or recyclability

'SAFE' WITH:
Archroma's NATURE BOUND system



SAFE

'ENHANCED' WITH:
Archroma's NATURE BOUND system



ENHANCED

* Below limits of detection

THE ARCHROMA WAY TO A SUSTAINABLE WORLD / Safe + Enhanced = The Enhanced Collection



SAFE – IT'S OUR NATURE TO PROTECT

A solid core: Our deeply rooted goal to protect people and our planet. Safe to use, safe to release and also safe to wear.

ENHANCED – IT'S OUR NATURE TO ADD ANOTHER LEVEL OF VALUE

Innovation is critical. With it, we create additional effects, functionalities and aesthetics and sustainable differentiation to bring additional value, helping consumers to achieve their goals, for a life enhanced.

www.archroma.com

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CERTIFIED TO
SE EN ISO 9001:2015
SN EN ISO 14001:2015
SN EN ISO 45001:2018

For additional technical service and/or laboratory assistance, contact your local Archroma representative.

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