

Akdeniz Chemson's Professional Sales Network and Global Product Development Expertise offer clients tailor-made solutions with high-quality products and stabilizer systems. Thanks to its global know-how, Akdeniz Chemson provides clients with fast delivery, excellent technical service, and customer-centric solutions.



ASIA PACIFIC
Australia
China

AMERICA
USA
Brazil

EUROPE
Austria
Germany
United Kingdom
Turkey / Izmir
Turkey / Istanbul

Contact

Australia
Akdeniz Chemson Additives Pacific Pty. Ltd.
Unit 3, 2 Copicure Drive Eastern Creek NSW 2766
Phone: +61/2-9620-1575
Fax: +61/2-9620-1105
E-mail: info.au@akdenizchemson.com

Brazil
Akdeniz Chemson Aditivos Ltda.
Av. Brazil, 4.633 - Distrito Industrial CEP 13500-970
Rio Claro-SP
Phone: +55/19-3522-2203
Fax: +55/19-3522-2201
E-mail: info.br@akdenizchemson.com

United Kingdom
Akdeniz Chemson Additives Ltd.
Northumberland Dock Road Wallsend, Tyne & Wear NE28 0PB
Phone: +44/191-259-7000
Fax: +44/191-259-7001
E-mail: info.uk@akdenizchemson.com

China
Akdeniz Chemson Additives Technic (Dalian) Co. Ltd.
Room 1001, West Tower, The Ninth Zhongshan No.
2 Xinglin Street, Zhongshan Dist., Dalian, Liaoning
Province, P. R. China 116001
Phone: +86/411-82556626
Fax: +86/411-82568616
E-mail: info.cn@akdenizchemson.com

Austria
Akdeniz Chemson Additives A.G.
Industriestrasse 19 9601 Arnoldstein
Phone: +43/4255-2226
Fax: +43/4255-2435
E-mail: info.at@akdenizchemson.com

Turkey / Izmir
Akdeniz Chemson Kimya San. Tic. A.Ş.
Kemalpaşa O.S.B. Mah. Izmir-Kemalpaşa Asfaltı Cad. No:45 35735
Kemalpaşa / Izmir
Phone: +(90) 232 877 01 44
Fax: +(90) 232 877 01 50
E-mail: info.tr@akdenizchemson.com

USA
Akdeniz Chemson Additives Inc.
7825 Holstein Avenue Philadelphia, PA 19153
Phone: +1/215-754-5900
Fax: +1/215-365-3025
E-mail: info.us@akdenizchemson.com

Germany
Akdeniz Chemson Additives GmbH
Hermann-Heinrich-Gossen-Str. 3 50858 Köln
Phone: +49/2234-2003-0
Fax: +49/2234-2003-109
E-mail: info.de@akdenizchemson.com

Turkey / Istanbul
Akdeniz Chemson Kimya San. Tic. A.Ş.
Küçükbakkalköy Mah. Dereboyu Cad. No: 3A
Brandium AVM R5 Blok Kat: 15 D: 94 Ataşehir / Istanbul
Phone: +(90) 216 504 03 51
Fax: +(90) 216 504 03 52
E-mail: info.tr@akdenizchemson.com

ZINC BORATE ZNB 35

Excellent Flame Retardancy & Smoke Suppression
High Durability & Safety



Akdeniz Chemson
Beyond Additives



To make modern life more comfortable and sustainable, additives in polymer formulations are essential for many applications. The use of Zinc Borate offers durable and high-quality products and safer environments due to its smoke suppression feature.

ZNB 35 upgrades the thermal stability and UV stabilization of the flame retardant in polymer formulations and acts as a great smoke suppressant by promoting char formation. Thanks to its high dehydration temperature, it is used in production of high temperature resistant polymers. It can be used in both halogen-containing and halogen-free flame retardant formulations.

ZNB 35 is used in a wide range of applications such as plastics, rubber, paints, adhesives, pigments, etc. It synergizes with other flame retardants, such as ATH, MDH and others by increasing their activity and performance. For most flame retardant formulations where antimony oxide is used, it shows that ZNB 35 replaced with antimony oxide, whether partially or wholly, improves the performance and smoke suppression in addition to being more cost-efficient than antimony oxide.

**Constant round particle shape
for continuous powder flow**

**Consistent particle
size distribution**



UV Stabilization



Flame Retardancy



Smoke Suppression

Areas of Application

- Polymer Applications
 - Polyvinyl chloride
 - Epoxy
 - Polyethylene
 - Polypropylene
 - Polyesters
 - Elastomers
 - Polyamide (nylon)
 - Polyolefin
 - Acrylics
 - Phenolics
 - TPE
 - Silicones
- Wires & Cables
- Paints & Coatings
- Rubber Applications
- Electronics
- Adhesives
- Sealants

Akdeniz Chemson offers also wood (ZNB-35 W) and fertilizer grade (ZNB-35 F) of zinc borate for different areas of application.

Chemical & Physical Properties

Appearance (Physical form)	Powder
Appearance (Color)	White
Boron Trioxide Content (%)	46.5 - 49.5
Zinc Oxide Content (%)	37.0 - 40.0
Moisture	max. 1
Weight Loss (% at 270°C)	max. 6
Weight Loss (% at 850°C)	max. 16
Crystallization Water (%)	11.5 - 16.5
Particle Size d50 (micron)	max. 5
Approx. Dehydration Temperature (°C)	330 - 340

