



3770 EMBASSY PARKWAY AKRON, OHIO 44333  
330-535-2100 ♦ 800-321-2260 ♦ FAX 330-535-8947

## RUBBER CHEMICALS -RETARDERS-

### RETARDER AK

#### TYPICAL PROPERTIES:

Appearance .....	White free flowing powder
Specific Gravity .....	1.38
Moisture .....	0.5% max.
Ash.....	0.5% max.
Melting Range .....	123 - 132°C
Solubility.....	Soluble in alcohol, benzene, and acetone. Slightly soluble in water.

#### APPLICATIONS:

- A non-discoloring retarding agent to reduce scorching of rubber compounds at processing temperatures.
- Effective with most accelerator systems and most types of rubber. Most effective with thiazole accelerated systems.
- Use from 0.5 to 1.0 phr on rubber hydrocarbon.
- Has little or no retarding effect at curing temperatures and no significant effect on physical properties of cured stock. Modifier added increases cure rate over straight phthalic anhydride.
- Has no effect on plasticity and aging and does not bloom with recommended amounts.
- Acts as an activator for certain blowing agents.
- Reduces reversion of natural rubber cures.

tee - 8/5/2021, t-ret.ak

Included with its product literature and upon the request of its customers, Akrochem provides product specifications and evaluations, suggested formulations and recommendations and other technical assistance, both orally and in writing (collectively the "Technical Information"). Although Akrochem believes all Technical Information to be true and correct, it makes no warranty, either express or implied, as to the accuracy, completeness, or fitness of the Technical Information for any intended use, or the results which may be obtained by any person using the Technical Information. Akrochem will not be liable for any cost, loss or damage, in tort, contract or otherwise, arising from customer's use of Akrochem products or Technical Information. It is the customer's sole responsibility to test the products and any Technical Information provided to determine whether they are suitable for the customer's needs. Before working with any product, the

customer must read and become familiar with available information concerning its hazards, proper use, storage and handling, including all health, safety, and hygiene precautions recommended by the manufacturer. Nothing in the Technical Information is intended to be a recommendation to use any product, method, or process in violation of any intellectual property rights governing such product, method, or process. No license is implied or granted by Akrochem as to any such product, method, or process. AKROCHEM CORPORATION DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE, RELATED TO ANY PRODUCTS OR TECHNICAL INFORMATION PROVIDED BY AKROCHEM.