

# Nochek® 4756A Wax Pellets

Manufacturer: International Group Inc.  
 Classification: Wax Antiozonant  
 Chemical Composition: Microcrystalline/paraffin wax blend

Specification Properties	Value	Test Method
Ash Content, %	0.1 maximum	ASTM D482
ASTM Color	1.0 maximum	ASTM D6045
Congealing Point, °C	63-66	ASTM D938
Flash Point, °C	204 minimum	ASTM D92
Kinematic Viscosity @100°C, cSt	5-7	ASTM D445
Needle Penetration @25°C, dmm	10-15	ASTM D1321
Typical Properties	Value	Test Method
Physical Form	White Pellets	Typical
Specific Gravity	0.91	Typical

## > APPLICATIONS

**Protection:** Provides static ozone protection through formation of a thin continuous wax layer (bloom) on the surface of the rubber. Microcrystalline structure provides more controlled rate of bloom than straight paraffin structure. Nochek® 4756A Wax Pellets have a narrow MW distribution that provides the best accelerated ozone resistance to products exposed to standard 75°F conditions. The strong protection which it can provide under standard 75°F conditions is effective immediately after curing and remains at optimum level after prolonged storage of vulcanizates.

**Synergism:** Synergistic with p-phenylene diamine (PPD) antidegradants for maximum static and dynamic ozone protection.

**Staining:** Non-staining. Can be used in white compounds.

**Cure Effect:** No effect.

**Typical Uses:** Nochek® 4756A Wax Pellets, when used as the sole protectant find wide usage in nonstaining rubber articles which must have good resistance to cracking when tested under conditions of the standard static, accelerated ozone test. These products include sundries, gloves, sheeting and tubing, hose and automotive floor mats.

For nonstaining rubber products requiring resistance to both static, accelerated ozone exposure and static, outdoor exposure, use of Nochek® 4756A Wax Pellets with Nochek® 4729A Wax Pellets is recommended.



## Technical Data Sheet

Co-use of Nochek® 4756A Wax Pellets with chemical antiozonants, where permissible, can be highly effective in applications such as windshield wiper blades, passenger or truck tire treads and black sidewalls, camelback, jacketing and insulation for electrical wire and cable.

**Recommended Dosage:** Unfilled Compounds: 0.75-1.0 phr, General Use: 1-2 phr, High Loaded Compounds: 6-8 phr

### > PACKAGING AND STORAGE

**Packaging:** 25 kg (55.1 lb.) bags.

**Shelf Life:** 5 years from date of manufacture if stored as indicated below.

**Storage:** Store in unopened original packages in a cool dry place.

**Specification Date:** May 18, 2010 (Supersedes September 14, 2006)