

# Cardolite® NX-5309

## Black Friction Particle

### Technical Datasheet

#### DESCRIPTION

Cardolite NX-5309 is a black granular, neutral PH, free flowing, cured solid resin derived from cashew nutshell liquid.

#### PROPERTIES

PROPERTY	SPECIFICATION	TEST METHOD
Acetone Extraction (%)	≤ 4	NTM 2
Ash (%)	≤ 8	NTM 3
Volatile Loss @ 370°C / 698°F (%)	≤ 20	NTM 1
Moisture (%)	≤ 1	NTM 5
pH	6 - 9	NTM 54
Screen Analysis, % residual		NTM 4
On U.S. standard sieve #20 (850 µm)	0	
On U.S. standard sieve #40 (425 µm)	≤ 1	
On U.S. standard sieve #60 (250 µm)	2 - 20	
On U.S. standard sieve #100 (150 µm)	22 - 51	
Through U.S. standard sieve #100	37 - 67	

PROPERTY	TYPICAL VALUE	TEST METHOD
Shelf Life (Years)	2	-

Typical properties are not to be construed as specifications

#### APPLICATIONS

Cardolite NX-5309 is a neutral PH black friction particle developed to withstand elevated temperatures in high performance brake applications while keeping a stable friction coefficient. This grade is particularly designed to reduce the overall pad hardness to keep compressibility within the desired range and to ensure a high level of comfort. Its neutral PH value reduces any potential corrosion issues.

#### ADVANTAGES

- Friction stabilizer in high performance applications
- Reduce pad hardness for high comfort
- Noise dampener
- Elevated temperature stability

## REGULATORY STATUS

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Please refer to the material safety data sheet (MSDS). Specific information regarding chemical inventory listing can be obtained from your local sales representative.

## SAFETY PRECAUTIONS

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Please refer to the material safety data sheet (MSDS). Copies of the MSDS can be requested on the Cardolite website or via your local sales representative.

## STABILITY AND STORAGE

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Product packaging should be kept tightly closed when not in use, and the material stored in a cool, dry place.

## CONTACT INFORMATION

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