

NYLACAST NYLASTAT®

An engineered Nylon 6 grade incorporating a conductive additive system to provide permanent anti-static performance while maintaining the excellent strength, toughness, and wear resistance of standard PA6.

By dissipating electrostatic charge, it helps protect sensitive components, improves handling and processing, and reduces dust attraction. The material is well suited for electronics, industrial equipment, packaging, and other applications where electrostatic discharge (ESD) control is essential. Its controlled electrical properties can also support use in ATEX-rated equipment and environments where the prevention of static charge accumulation is critical.

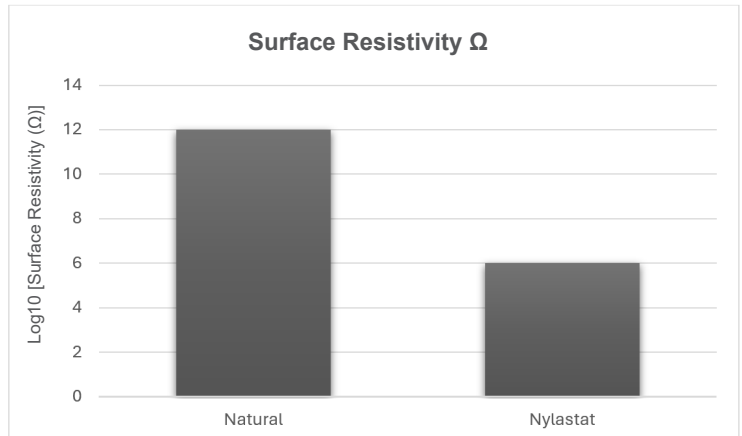
The grade offers an excellent balance of mechanical performance, dimensional stability, and chemical resistance for demanding engineering applications.

TYPICAL APPLICATIONS

- ATEX-rated equipment and components
- Powder handling and processing systems
- Chemical processing equipment
- Bulk material handling and conveying systems
- Housings and enclosures for electrical/electronic equipment
- ESD-safe machine components
- Conveyor guides, wear strips, and rollers
- Packaging and filling machinery
- Automotive fuel-system and fluid-handling components
- Robotics and automation equipment
- Injection moulding and assembly line fixtures
- Sensors, terminals, and instrumentation housings
- Pharmaceutical and food processing equipment (where static control is required)
- Storage bins, hoppers, and chutes
- Mining, grain, and dust-extraction system components

KEY BENEFITS

- Permanent anti-static performance
- Controlled electrical conductivity for charge dissipation
- Suitable for ESD-sensitive applications
- Supports use in ATEX-rated environments
- High strength and toughness
- Excellent wear and abrasion resistance
- Good dimensional stability
- Resistant to many oils, greases, and chemicals
- Reduced dust attraction and improved cleanliness
- Durable, long-term performance without reliance on surface coatings or treatments



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