

TECHNICAL DATA SHEET

CODE : P E 4 6 9 4 0 9

NERO 60G

1.1 DESCRIPTION

Thermosetting black powder coatings based on epoxy system suitable for electrostatic application.

Due to its excellent chemical resistances, this functional coating is suitable for application on back side of brakes pads and wherever good chemical resistance is necessary.

1.2 APPLICATION

- Electrostatic Corona
- Electrostatic Tribo

1.3 SUBSTRATE

- Iron, steel, aluminium

2.1 POWDER CHARACTERISTICS

SPECIFIC GRAVITY (POQ07-30) Kg/l)	:	1,500 ÷ 1,560
MILEAGE (m2/Kg.) a 60 µm	:	11.1 ÷ 10.6
HUMIDITY CONTENT (ISO 8130-7) (2h 105°C) -loss mass	:	< 0.5%
Particle size distribution (POQ07-16) µm	:	46 ÷ 50
STORAGE STABILITY AT 20°C	:	12 months in the original boxes

2.2 CURING CONDITIONS

STANDARD CONDITIONS : 15'@180°C metal temperature

The film obtained maintains its property if the polymerisation conditions are respected.

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3.1 DRY FILM CHARACTERISTICS

- COLOR : BLACK
- APPEARANCE: : SMOOTH, SEMIGLOSSY SURFACE

3.2 DRY FILM CHEMICAL AND MECHANICAL RESISTANCE

All tests have been effectuated on UNI 0,5 mm thickness panels cured at the standard polymerisation conditions

Test film thickness: 50 µm

TEST	METHOD	RANGE
FILM THICKNESS	POQ07-07	50 ÷ 70 µm
GLOSS (60°)	POQ07-12	55 ÷ 65 gloss
ADHESION	POQ07-19	90 ÷ 100% GT0
CUPPING ERICHSEN	POQ07-20	> 5 mm
DIRECT IMPACT (2lbs – ½ inch)	POQ07-09	80 ÷ 100 cm. No cracking
INDIRECT IMPACT (2lbs – ½ inch)	POQ07-09	80 ÷ 100 cm. No cracking
SALT SPRAY	POQ07-15	500 h
BRAKE OIL RESISTANCE DOT4	24 h by contact	Ok, no softening

NOTE :The information contained is to the best of our knowledge, true and accurate, but any recommendations or suggestions, which may be made are without guarantee, since the conditions of use are beyond our control.

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