

TECHNICAL DATA SHEET

CODE : PP240701

POLIESTERE TRASPARENTE OPACO IONatura

1.1 DESCRIPTION

Thermosetting clear powder coatings based polyester TGIC-free system suitable for electrostatic application.

The product have been studied to have a film with antibacterial properties following International Norm JIS Z 2801.

By tests made from suppliers of the additives this broad spectrum activity is exerted on bacteria as

Staphylococcus aureus
Bacillus subtilis
Streptococcus pyrogenesi
Corynebacterium xerosis
Micrococcus luteus
Listeria welshimeri

Escherichia coli
Pseudomonas aeruginosa
Salmonella enteritis
Klebsiella aeruginosa
Salmonella typhimurium
Legionella pneumophila

and on following molds or yeasts

Aspergillus niger
Penicillium funiculosum
Chaetomium globosum
Gliocladium virens
Aureobasidium pullulans

Cladosporium cladosporoides
Penicillium citrinum
Candida albicans
Saccharomyces cerevisiae

1.2 APPLICATION

- Electrostatic Corona
- Electrostatic Tribo

1.3 SUBSTRATE

- Iron, steel, aluminium

Revision n°07 11.02.2014

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2.1 POWDER CHARACTERISTICS

SPECIFIC GRAVITY (POQ07-30) Kg/l)	:	1,150 ÷ 1,250
MILEAGE (m2/Kg.) a 60 µm	:	14.5 ÷ 13.3
PARTICLE SIZE DISTRIBUTION (POQ07-16) µm	:	42 ÷ 46
STORAGE STABILITY AT 20°C	:	24 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.

3.1 DRY FILM CHARACTERISTICS

- COLOR	:	CLEAR
- APPEARANCE:	:	SMOOTH, MATT 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: 80 µm

TEST	METHOD	RANGE
FILM THICKNESS	POQ07-07	70 ÷ 90 µm
GLOSS (60°)	POQ07-12	visual
DIRECT IMPACT (2lbs – ½ inch)	POQ07-09	> 2.5 Nm
ADHESION	POQ07-19	90 ÷ 100 GT0
ERICHSEN	POQ07-20	6 ÷ 8 mm
PENCIL HARDNESS	POQ07-06	H ÷ 2H
SALT SPRAY TEST	ISO 3768 - ASTM B117	500 hours
KESTERNICH TEST	ISO 3231	30 cycles
HUMIDITY CHAMBER TEST	ISO 6270	1000 hours
UV-CON	ASTM G 53-88 50% residual retention	after 300 hours

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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