# Fact Sheet - MetaLine 785

## Product specification

Quality type

Process

Preferred applicable by

Alternatively applicable by

Coating thickness

Surface character

Consumption

Curing mode

Shelf life

Solidification

No adhesion to

Surface structure

## Physical properties

Density

Tensile Strength

Adhesion to mild steel

Magnetical interference

Vibration dampening

Hardness Shore A

Coefficient of static friction

Elongation at break

Preferred load impact angle

Mechanical finishing

# Electrical figures

Electrical insulation

Dielectric surface resistivity

Anti-static properties

## Caloric figures

High temperature resistance Low temperature resistance

Thermal conductivity

#### Wear resistance

DIN 53 516 abrasion

DIN 53 516 abrasion (US)

TABER abrasion (H22 Wheel)

Erosion resistance

Cavitation resistance

Visual wear control indicator

#### Water life

Corrosion resistance

Corrosion protection principle

Flow speed resistance

Diving depth

Anti-Fouling properties

Weather resistance

Chlorine prior application

Class approvals

Chemical resistance & acoustics

Noise reduction

Gamma radiation resistance

Chemical resistance

### Health and Safety

Solids content

Flammability

Food & pharma conformity

Drinking water approvals

Purity

ultra dynamic responding spray elastomer not vulcanized

low pressure

high pressure

tension free

0.037 lb/in<sup>3</sup>

85 (casted)

high grip

2,900 psi

max. unlimited

0.24 lb/ft² per 40 mils

> 2,175 psi (ASTM A 36)

3 mm (120 mils) coating

4 mm (160 mils) coating

shrink & swell free

polymerized

cartridge spray / HSM

plural component airless

min. 1 mm (40 mils) smooth, high-gloss

1.2 kg/m<sup>2</sup>

3-K

< 24 months

> 1 day

glass, ceramic, ebonite, enamel

smooth to ultra grained

1.05 g/cm<sup>3</sup>

20 N/mm<sup>2</sup>

 $> 15 N/mm^2 (1.0037)$ 

≈ 10 % loss

≈ 55 %

82 (sprayed)

 $\mu(0) = 0.6$ 

380 %

40 ° - 90 °

lathe operation, drilling, milling

> 5 kV per mm thicknes

 $> 7 \times 10^{10} \text{ Ohm}$ 

< 1 x 10 9 0hm

5,000 volts per 40 mils in delivery status

with ML 960 Anti-Static

60°C wet / 120°C dry

- 50°C (dry)

0.2 W/m · K

140°F wet / 250°F dry

- 60°F (dry)

0.12 grain

0.11 BTU/h · ft · °F

rubber > 120 mm<sup>3</sup>

rubber > 0,007 cu in.

> 55 mm<sup>3</sup>

> 0,003 cu in.

8.2 mg

up to 25 % above AISI 316

excellent & beyond all metallic structures

available by color change during spraying

plus 6,000 hours active - passive

< 70 m/sec

< 700 meter

self-cleaning effect

reasonable

maximum 20 ppm

"white paper"

up to 5 dB(A)

good & decontaminable

pH 3 - 11

FDA 177.1680 (21)

salt spray testing cathodic - encapsulation

< 230 ft/sec

< 2,300 ft in saltwater

> 22 m/sec flow speed not colour stable

surface purity

Lloyd's Register

structural born noise

100%

**B2** 

AS/NZS 4020:2005

no free isocyanate

no solvent - zero VOC normally inflammable EU 1935/2004

BS 6920 Part 2.6 no polyurea, no silicone

repair improve protect cover save