

PROMED

Factory address
Borg Elarab City
Second Industrial Zone # 7/15
Alexandria – Egypt

**Manufacturing Dental Materials
Contacts:**
Tel: 2035437361
Fax: 2035437361
Sales: sales@katmaterials.com

General Authority for Investment & Free Zones
PROMED Establishment License No. 1090/2002

PRODUCT SPECIFICATION

PRODUCT NAME : Formula X
PRODUCT ORDER CODE : 0144
PRODUCT TYPE : Capsules spill “2”
APPLICATION : Posterior Dental Filling

CHARACTERS : Non-gamma 2 amalgam alloy powder,
spherical,
zinc free, ternary, extra-fine grain,
microcrystalline, normal setting.

CHEMICAL CHARACTERISTICS
COMPOSITION : 60% Ag elementary
27% Sn elementary
13% Cu elementary
ZINC : Free
SPECIFICATION : ISO 1559: 1995(E)
MERCURY PURITY : min. 99.995 %
MERCURY GRADE : dental
MERCURY SPECIFICATION : ADA no. 6

PHYSICAL CHARACTERISTICS
APPEARANCE : Sound metallic luster
PARTICLE SHAPE : Spherical
PARTICLE SIZE : Less than 44 microns
WEIGHT OF ALLOY PER CAPSULE : 400mg (\pm 1.5% max)
WEIGHT OF Hg PER CAPSULE : 0.460mg (\pm 1.5% max)
RATIO MERCURY: ALLOY : 0.76 : 1
CAPSULE TYPE : Self activating
SAFETY PRECAUTIONS FOR Hg : * Hermetically sealed bag
: * Leak proof capsule

PROPERTIES AFTER AMALGAMATION
COMPRESSIVE STRINGTH : Typical Value 283 MPa
(1 hour)
COMPRESSIVE STRENGTH : Typical Value 356 MPa
(24 hour)
CREEP : Typical Value 0.1%
DIMENSIONAL CHANGE : Typical Value +2 microns/cm
(24 hour)
CLASSIFICATION : Class IV a
SPECIFICATION : ISO 1559: 1995(E)

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PACKING
thick PVC

: 50 self activating capsules mounted on

capsules holder inside a tropic proof
double layer
aluminum plastic foil. The outer pack is a
4 color

STORAGE
or heat.

thick cardboard box.

: Should be kept away from direct sunlight

Expiration is 5 years from the date of
manufacture.

Promed Co.