

ND MICROSPHERES®

TA SERIES【TA原料系列】



ND Industries® is ISO9001:2000 / AS9001B / QPL-18240F Listed / QSLM Registered



产品描述:

- ND MICROSPHERES TA SERIES 是经微粒压缩处理，在一般室温即可达成硬化黏附功能，并可被用于所有螺丝或螺帽扣件成品上。经涂于扣件后，可长期维持稳定状态，主便储存放置。
- ND MICROSPHERES TA SERIES 一直维持在钝化状态下直到涂料扣件与封锁件连接装置后，这样的结合力量会挤压微粒囊并且释放出强大催化剂面产生化学反应物，因而产生黏附结合效果。
- 涂附ND MICROSPHERES TA SERIES 的扣件与其对锁件锁合后，即可产生黏合硬化的功能，并于24小时后达到完成硬化的效果。



产品特色:

- 旋入扭力小:** 方便组立加工。
- 快速固定:**
在一般室温的情况下，旋入结合后5分钟内即可产生固定效果。
- 储存寿命周期长:**
ND MICROSPHERES TA SERIES品质稳定，加工后适合长期储放
- 不受外来物质影响:**
适用于各种不同表面处理及材质的扣件上，当ND MICROSPHERES TA SERIES旋入硬化固定后，对外在物质如：油脂、汽油、盐喷、酸性物质、溶剂、水和空气皆不会造成影响，具有绝佳之搞阻性。
- 快速生产、降低成本:**
ND MICROSPHERES领先引用的先进而快速的生产设备，可提供客户快速又经济的服务。
- 三种特殊配方设计:**
ND MICROSPHERES TA SERIES提供三种配方以供使用不同需求。
TA300是一种一般强度原料。
TA800是一种高温及高强度原料。
TA850是一种高强度、高扭力的原料。

PROPERTIES SUMMARY: As Applied to Fasteners

Product Formula	TA300	TA800	TA850
color(See Note 1)	Yellow	Red	Turquoise
Primary Usage	Low Strength	High Strength	High Strength Torque Tension Control
Average On Torque* (in lbs.)	<10	<10	<10
Breakaway Torque* After 24hour cure @ R.T. Dry Zinc Phosphate(inch lbs.)	130	200	175
Plain Steel (inch lbs.)	130	210	195
Typical Lead Threads (See Note 2)	1 to 3	1 to 3	1 to 3
Typical Coating Length (See Note 2)	1.5 x Diameter	1.5 x Diameter	1.5 x Diameter
Temperature Range °F °C	-58/300 -50/150	-58/392 -50/200	-58/392 -50/200
Average Thread Friction K-Value	0.14	0.26	0.18
Fixture Time	5 min.	5 min.	5 min.
On Part Life***	4 years	4 years	4 years
Compare to	PRECOTE 30	PRECOTE 80	PRECOTE 85
Full Cure Time @ Room Temperature	24 hrs.	24 hrs.	24 hrs.
Liquid State (before application)			
Base Resin	acrylate	acrylate	acrylate
Base Solvent	Toluene	Toluene	Toluene
Broodfield Viscosity(cPs) Spindle 6 @ 20 RPM	approx. 1,000	approx. 1,000	approx. 1,000
Flashpoint TCC	40.0 °F	40.0 °F	40.0 °F
Shelf Life***	3 months min.	3 months min.	3 months min.



稳得电子(昆山)有限公司
ND ELECTRONICS (KUNSHAN) CO., LTD

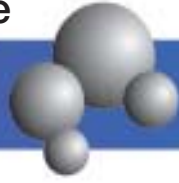
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Fastener Adhesive

PreApplied

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TA Series



ND
INDUSTRIES

DESCRIPTION:

- ❑ ND Microspheres TA Series are microencapsulated, room temperature curing threadlocking products that can be applied to male or female threaded fasteners of most sizes and finishes.
- ❑ ND Microspheres TA Series remain inert until the coated fastener is assembled to its mating part. The forces of engagement crush the microscopic capsules and release the activator that creates a strong chemical bond between the parts.
- ❑ Within minutes of assembly, ND Microspheres TA Series forms a substantial bond between the mating surfaces. Curing continues normally for up to 24 hours.

COMPARE TO PRECOTE**

FEATURES:

- ❑ **Low Prevailing On Torque:** Assembles easily with common hand tools.
- ❑ **Fast Fixture Time:** Under typical conditions, fixture is achieved within 5 minutes.
- ❑ **Versatile:** ND Microspheres TA Series are compatible with most sizes, configurations, materials and finishes.
- ❑ **Long Shelf Life:** Once applied and stored in a cool, dry environment, ND Microspheres TA Series remains inert until a cure is activated by engagement with a mating part.
- ❑ **Unaffected By Foreign Substances:** Oil, gasoline, salt spray, acids, solvents, and water have virtually no effect on ND Microspheres TA Series after a final cure is achieved.
- ❑ **Saves Money:** ND Microspheres TA Series brand pre-applied threadlocker is less expensive than applying bottled threadlocking compounds at the point of assembly.



FEATURES CONTINUED:

- ❑ **Three Specifically Designed Formulas:**
ND Microspheres TA Series offers three formulas that address differing needs.
TA300 is a low strength material.
TA800 is a high strength/high temperature material.
TA850 is a high strength, high temperature material with minimal torque tension deviation.

ND Microspheres TA Series meets or exceeds the performance requirements of the following specifications and/or standards:

AUTOMOTIVE

- ❑ DaimlerChrysler PF-6616 & MC-CD76
- ❑ Ford ESS-M11P24-A1 & ESS-M11P24-A2, WX-200
- ❑ General Motors GM6175M, GM6194M, GM6124M

INDUSTRIAL FASTENER INSTITUTE

- ❑ IFI-125
- ❑ IFI-525

OEM

- ❑ Detroit Diesel 80K15
- ❑ Rockwell International Q-29
- ❑ Caterpillar 1E2486

MISC

- ❑ DIN 267

For a complete list, contact ND INDUSTRIES.