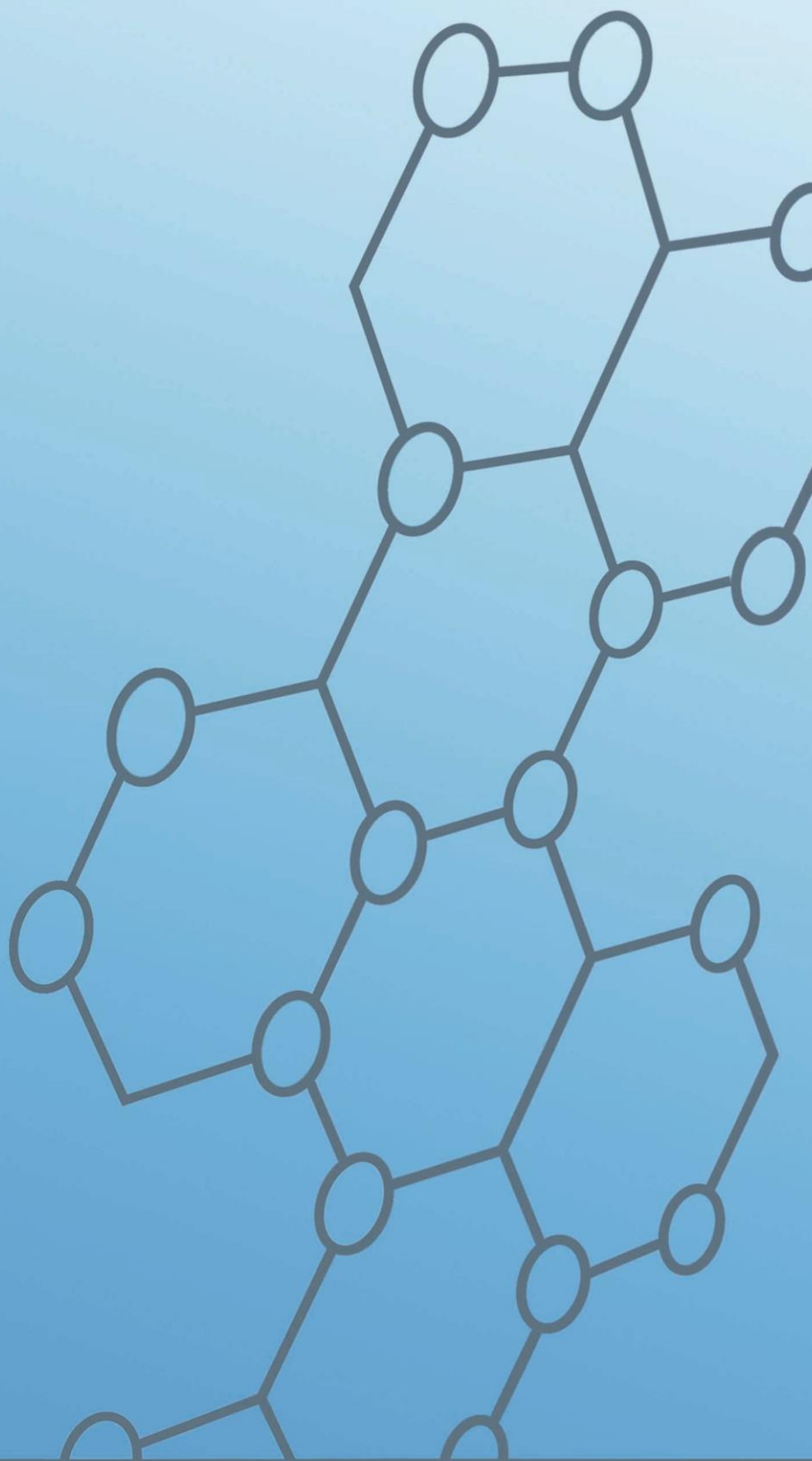




石 家 庄 科 鹏 阻 燃 材 料 厂

Shijiazhuang ADT Carbonic Material Factory



**EXPERT FOR GRAPHITE FLAME RETARDANT**



## 公司介绍 COMPANY PROFILE

科鹏阻燃材料厂位于河北省深泽工业区，始建于1998年，是一个以特种石墨及相关产品为主导，集科、工、贸为一体的综合性私营企业。

公司以优质的天然石墨为原料，拥有雄厚的技术力量，采用特殊的生产工艺，利用完善的检测设备，不断的实现产品创新。已具备了年产2000吨膨胀石墨、1000吨石墨微粉的生产规模。

我们公司坚持“要做就做最好”的经营理念，采取和国内外知名企业技术合作的方式，先后开发出二十多种特殊规格的膨胀石墨，以粒径大小可调、起始温度可控、以及较大的膨胀倍率等优点，已作为一种新型的无卤阻燃剂，广泛应用于聚氨酯、橡胶、EPS泡沫及塑料等特殊领域。是中国第一家通过欧洲REACH注册的石墨生产企业。

多年来，我们一直坚持以“科技创新为基础，优良品质为保证、知名品牌为承诺”的发展模式，分别以ADT、Nord-Min、Nyacol、SYZR品牌为依托，销往欧洲、美国、日本、俄罗斯及其他国家，在国内外市场上享有极高的声誉。

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ADT was founded in 1998, located in Hebei Shenze, and engaged in researching, manufacturing and sales of special graphite and related products.

ADT products use high quality natural graphite as raw material, by possess abundant technical force, using special production technology, with perfect inspection equipment, and constantly innovation, our annual capacity is 2,000MT for expandable graphite and 1,000MT super-fine graphite powder.

ADT insist the concept of “Just Do The Best”, by cooperating with famous companies around the world, we have developed more than 20 special grades of Expandable Graphite with highlights like largest Expansion Volume and controllable Start Expansion Temperature, with various application in PU foam, Rubber, EPS foam and Plastic, etc. ADT make to be the first Chinese graphite manufacturer registered in REACH.

For many years, we sale our products via our agents around the world using trade name ADT, Nord-Min, Nyacol and SYZR to Europe, America, Janpan, Russia and other regions, and have high reputation in the market.

# Flame Retardant 阻燃剂

## ADT --- Expandable Graphite

Expandable Graphite is a new type of halogen-free flame retardant material that made of natural graphite by acid intercalation. In case of fire, the graphite will expand 20 - 400 times in volume due to thermal decomposition, and form a char layer on the surface, to cut off the fire in the beginning. By-product of Expandable Graphite after fire shows high oxidation and temperature resistance, which make it good flame retardant, and can be used in PU Foam, EPS Foam, Rubber and Plastics. With more than 20 special types of Expandable Graphite, ADT' s products highlight on largest Expansion Volume and controllable Start Expansion Temperature.

### Highlights:

※ Halogen-free

※ Heat Insulating

※ Low Smoke

※ Low Toxic Gases

※ Reduce Heat Release

※ Non-dripping

## ADT --- 阻燃石墨

ADT阻燃膨胀石墨是由优质天然鳞片石墨，经过酸、氧化剂插层处理，通过水洗、干燥后而得到的一种石墨产品。膨胀石墨在受高温时依靠组分的热分解体积瞬间膨胀20-400倍，并在着火表面形成炭质焦化绝热层，可在火灾发生时将火焰窒息，且膨胀产物有极佳的抗氧化性和耐高温性，阻燃效果好。近年来作为一种新型的无卤阻燃剂得到了广泛应用。我公司可根据需求为客户量身订做不同粒径、不同起始膨胀温度及不同膨胀倍率的阻燃产品。

### 特 点：

※ 不含卤素

※ 隔热

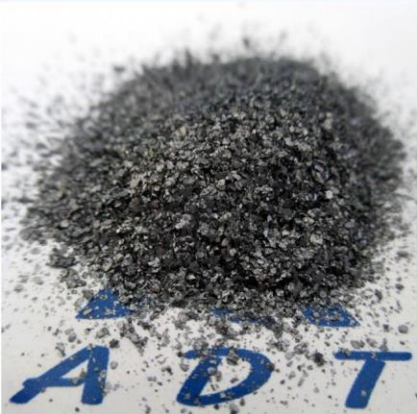
※ 产烟量少

※ 有毒气体少

※ 减少热量释放

※ 无滴落

# 应用推荐/Product List



| Type    | Particle Size | Expansion Rate | Applications                                                            |
|---------|---------------|----------------|-------------------------------------------------------------------------|
| ADT 351 | 300 um        | 350 ml/g       | Automotive Parts;<br>Fire-stop Collar;<br>Sealing Strip;<br>Mattress    |
| ADT 249 | 300 um        | 250 ml/g       | Automotive Parts :<br><br>Roofing, Engine Hood, Seats                   |
| ADT 802 | 180 um        | 230 ml/g       | Automotive Parts;<br>Sealing Strip;<br>Mattress;<br>Rigid Sandwich Foam |
| ADT 35  | 150 um        | 35 ml/g        | Glue ;<br><br>Coating                                                   |
| ADT 20  | 75 um         | 20 ml/g        | Glue ;<br><br>Coating                                                   |

| 型号      | 粒径     | 膨胀率      | 应用领域              |
|---------|--------|----------|-------------------|
| ADT 351 | 300 um | 350 ml/g | 汽车部件；阻火圈；密封条；床垫   |
| ADT 249 | 300 um | 250 ml/g | 汽车部件：顶棚、引擎盖、座椅    |
| ADT 802 | 180 um | 230 ml/g | 汽车部件；密封条；床垫；硬泡保温板 |
| ADT 35  | 150 um | 35 ml/g  | 胶黏剂；喷涂            |
| ADT 20  | 75 um  | 20 ml/g  | 胶黏剂；喷涂            |

# 应用实例/Applicaiton Samples



Comparison:  
Before Expansion  
and  
After Expansion

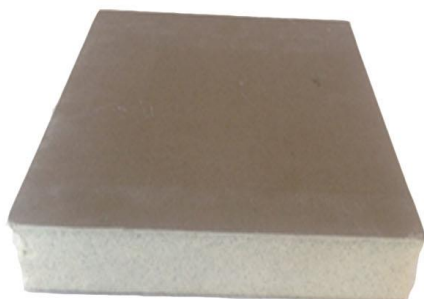
## Application Examples



Fire-stop Collar/阻火圈



Sealing Strip/密封条



Sandwich Foam/硬泡板



Engine Hood/汽车引擎盖

# 工厂实景 / Plant Show



Office Building

Office/Meeting Room



Warehouse

Production Lines



# 工厂实景 / Plant Show



Waste water recycle  
污水循环处理



Ready for delivery  
成品库存

## REACH Registration Certificate



Certificate No: CIRS-REG-CN-120516-E7291

This document certifies that the non-EU manufacturer

SHIJIAZHANG ADT CARBONIC MATERIAL FACTORY  
GENSHUANG VILLAGE, SHENZE COUNTY, HEBEI PROVINCE

Has successfully completed the registration of the following substance in accordance with the REACH regulation (EC) No 1907/2006:

Sulphuric acid, compound with graphite EC: 235-819-4, CAS: 12777-87-6

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Registration No.          | 01-2119514421-54-0008                              |
| Tonnage Band              | 100-1000t/yr                                       |
| Type of Registration      | Full Registration                                  |
| REACH Only Representative | Chemical Inspection and Regulation Service Limited |
| UUID                      | ECIA-896e838f-957e-4ad1-9a09-a3e252d9717           |

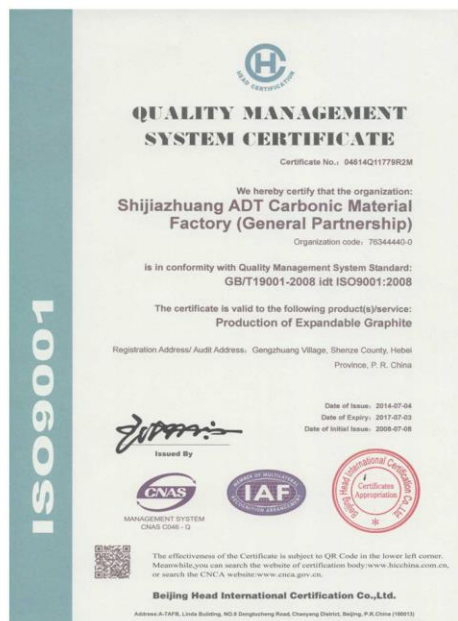
Date of Issue: 31 May 2012

Issued by: Chemical Inspection & Regulation Service Limited (CIRSL)

Authorized Signature: Kevin Lee



REACH  
正式注册



ISO 9001



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**Shijiazhuang ADT Carbonic Material Factory**

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