Hengli Sports



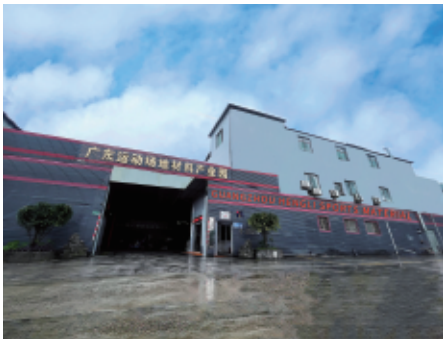
PRODUCT BROCHURE
PROFESSIONAL PRODUCTION/SALES/CONSTRUCTION

SPORTS VENUE

MATERIALS

Hengli Sports Materials Co., Ltd

Company Profile



Factory



Office

Guangzhou Hengli sports materials

Company profile

Development Produce Sell Design

Guangzhou Hengli Sports Material Co.ltd started in 2019.but we have more than 13 years experience .We are a professional manufacturer EPDM of sports ground materials flooring integrating strong R&D, production and sales.Our products can be widely used in large professional competition venues, schools, kindergartens, healthclubs, real estate, gardens and so on.

Key Highlights of Our Company:

·Five modern production factories.

·Approximately thirteen advanced production lines.

·Six strategically located warehouses for efficient distribution.

·Daily production capacity more than 300 tons.

Company environment

公司环境















EPDM color surface layer granules

EPDM彩色面层颗粒


Light gray


Dark grey


Brown


Purple


Dark green


Light green


Earthy yellow


Iron red


Dark blue

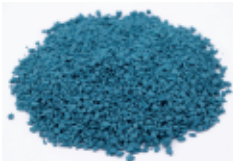

Light blue


Rose red


Brilliant yellow


orange


White


Light grayish blue

Main materials: EPDM polymers，calcium carbonate($CaCo_3$), Cycloalkane Oil 4006,pigments, etc.

Application: running track, sports courts, multi-functionalarea, jogging track, park, etc.

Function: improve field performance and span life, reduce the risk of sports injuries

Standard:GB36146-2018

Bottom granules

底层颗粒


Wave shoe color granules


PU flower granules


PU flower granules


PU flower granules


Wave shoe color granules


Transparent PU


Wood color


Red 2-4 primer


Orange red granules


EPDM White 2-4

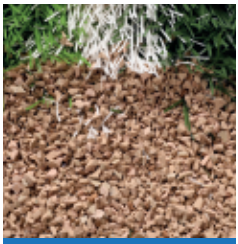

Non return oil black granules


White wire cover

Surface spray granules
喷面颗粒



Grass Filling granules
冲草颗粒



Wood colored Chongcao granules



Green Chongcao Granules



Black Chongcao Granules

Mixed granules
混合型颗粒





Colloidal powder granules
胶粉









EPDM granules Size:0.5-2mm,1-2mm,1-3mm,1-4mm,2-4mm,3-5mm

content:6%,8%,10%,13%,15%,20%,22%,27%,and also accept customized

Breathable EPDM Rubber Track

透气型塑胶跑道

Breathable rubber track colors



Product features

The characteristics of the breathable EPDM track are as follows:

The base layer is composed of environmentally friendly granules bonded with a single-component polyurethane adhesive. the surface layer is created by spraying a mixture of polyurethane, EPDM granules, and plastic binder, The main track of the breathable rubber track is typically 13mm thick and red in color, while the auxiliary area has a thickness of 9mm and is green.

In addition to the advantages of other forms of tracks, the breathable rubber track also offers water permeability and can be used in all weather conditions. It is the most economical and cost-effective option with no bubbling issues. Moreover, it reduces the investment in foundation costs and is suitable for constructing irregular-sized athletic tracks for primary and secondary schools. The lifespan of the breathable rubber track can exceed 6 years.

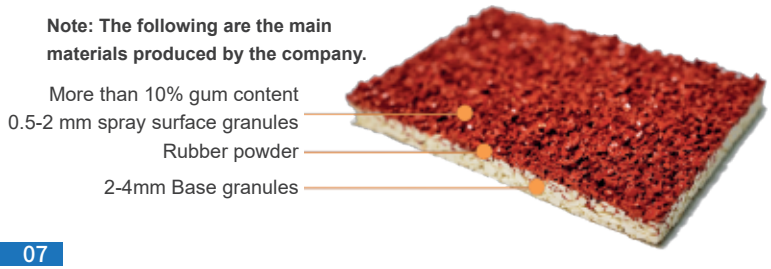
01 Meets international standards.

02 The bottom layer is a combination of single-component polyurethane and elastic rubber, which is an environmentally friendly product with breathable function. At high temperatures, the steam from the foundation will quickly dissipate. Steam pressure can not build up so there will be no bubbling.

03 The surface layer is made of EPDM (ethylene propylene diene monomer) rubber granules mixed and blended with polyurethane slurry and pre-polymer before being mechanically sprayed during construction. It does not shed granules and has high UV resistance, preventing fading.

04 All-weather use, good elasticity, good impact absorption, strong wear resistance, good weather resistance, strong compression resistance, strong nail resistance, flat, strong adhesion, durable.

Note: The following are the main materials produced by the company.



Hybrid EPDM Rubber Track

混合型塑胶跑道

Characteristics of Hybrid EPDM Rubber Track

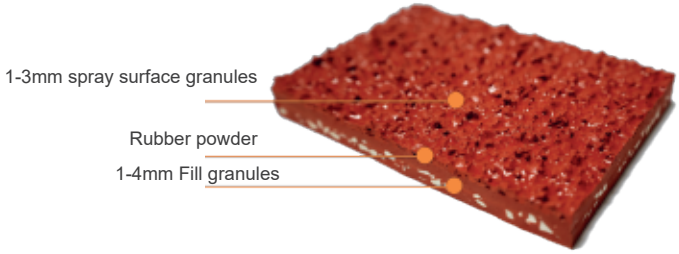
01 **Environmentally friendly:** Non-toxic, pollution-free, and in compliance with environmental requirements.
02 **All-weather use:** Any season and temperature difference can maintain a high level of quality, and it can be used immediately after rain to increase the utilization time and improve the utilization rate of the site;
03 **Elasticity:** Possesses a moderate level of elasticity and resilience, reducing physical exertion and improving athletic performance.
04 **Impact absorption:** Moderately absorbs foot impact, reducing sports injuries, making it suitable for long-term practice and competition.
05 **Weather resistance:** It does not fade, powder, or soften due to pollution from ultraviolet (UV) rays, ozone, or acid rain, and it can maintain its vibrant color for an extended period.
06 **Wear resistance:** Meets the long-term and high-frequency usage requirements of various educational institutions.
07 **Compression resistance:** it will not lose its elasticity due to the heavy pressure of track and field equipment.
08 **Nail resistance:** Even at the most heavily used and stressed areas, such as the starting blocks in a hundred-meter race, it remains unaffected by spiked shoes or starting blocks.
09 **Impact resistance:** It possesses a robust elastic layer and cushioning layer that can absorb strong impacts without surface damage.
10 **Flatness:** Self-leveling materials are used during construction to create a flat surface that meets the specific flatness requirements of competition venues.
11 **Adhesiveness:** Special construction treatment has strong adhesive force, which can suppress the rise of water, without blistering, peeling, etc.
12 **Safety:** Can prevent sports injuries caused by falls.
13 **Economical:** Easy to maintain, saving on management costs.
14 **Color:** Special high-elasticity EPDM and PU granules, with a soft surface color, granular top layer to prevent glare reflections, providing an aesthetically pleasing and durable appearance, and available in various color combinations.

Mixed-type plastic track colors



Performance index of plastic surface layer.

Note: The following are the main materials composition



Composite EPDM Rubber Track

复合型塑胶跑道

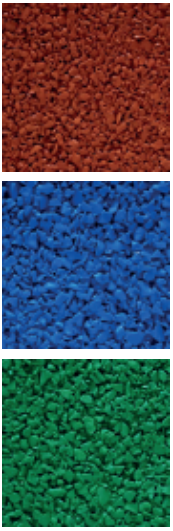
Characteristics of Composite EPDM Rubber Track

Composite traditional plastic track sports field, its appearance is consistent with the hybrid plastic track, except for the tensile strength, other data are basically the same as the hybrid plastic track.It is the first choice for the construction of sports venues in the alpine regions of our country where the economy is still underdeveloped.The cost of composite traditional plastic track is generally about 15% lower than that of hybrid plastic track;And it has the characteristics of good elasticity, bright color, high strength, good elasticity, wear resistance, non-slip, low temperature resistance, shockproof, sound insulation and durability.

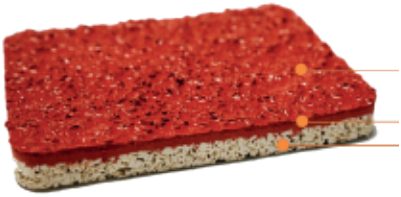
The composite traditional plastic track sports facility offers excellent surface drainage capabilities, preventing rain and snow from penetrating into the elastic layer of the track in high-cold regions. Once the weather warms up, the melted ice and snow on the surface of the composite traditional plastic track are naturally drained away through the track's slope, without causing any adverse effects on the track. This makes it suitable for various types of athletic tracks in high-cold regions.



Composite plastic track color



Note: The following are the main materials composition



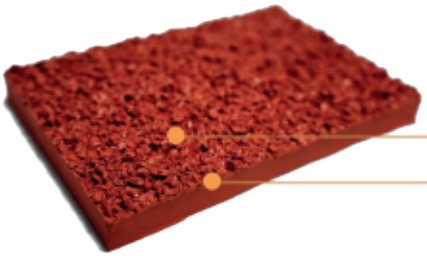
Fully EPDM Rubber Track

全塑型塑胶跑道

Features of Fully EPDM Rubber Track

01 **All-weather usage:** Maintains a high level of quality in any season and temperature variation, enabling immediate use after rain, increasing utilization time, and enhancing facility usage rates.

02 **Elasticity:** It has moderate elasticity and resilience, reducing physical exertion and enhancing athletic performance.
03 **Impact resistance:** Appropriately absorb the impact of feet, reduce sports injuries, suitable for long-term practice and competition.
04 **Weather resistance:** It does not fade, powder, or soften due to pollution from ultraviolet (UV) rays, ozone, or acid rain, and it can maintain its vibrant color for an extended period.
05 **Abrasion resistance:** With abrasion less than 2.5%, it meets the long-term and high-frequency usage requirements of various educational institutions.
06 **Compression resistance:** It does not lose its elasticity under the heavy pressure of athletic equipment.
07 **Nail resistance:** Even at the most heavily used and frequently stressed areas, such as the starting blocks in a hundred-meter race, it remains resistant to damage from spiked shoes or starting blocks.
08 **Impact resistance:** It possesses a robust elastic layer and cushioning layer that can absorb strong impacts without surface damage.
09 **Flatness:** Self-leveling materials are used during construction to create a flat surface that meets the specific flatness requirements of competition venues.
10 **Adhesion:** Specially treated with strong adhesion during construction, it can suppress the rise of moisture, preventing issues like blistering and peeling.
11 **Safety:** Prevents sports injuries from falling.
12 **Economical:** Easy to maintain, saving on management costs.
13 **Color:** Specially used high-elasticity EPDM and PU granules have a soft surface color with granular texture to prevent glare reflections, making it aesthetically pleasing and durable, and offering the option of multiple color combinations.



Color of the all-plastic track



Engineering Case

工程案例















Qualification certificate

资质证书













Test report

检测报告



EPDM color particle test report



Lawn filling color particle test report

Professional design team

专业设计团队

Having a skilled, professional, dedicated, efficient, and capable team, including seasoned designers with relevant expertise.

