



**meLOS**  
EPDM  GRANULES

# PREMIUM EPDM GRANULES

- ✓ Widest color selection
- ✓ Maximum durability
- ✓ High color consistency
- ✓ Highest weather resistance
- ✓ Optimal bulk density

**polytan**

**WE MAKE SPORT.**





Granules that  
make you move.

Unlimited possibilities  
for sport & leisure



Founded in Melle in 1936, expanded in 1970, now world market leader: as part of the internationally successful Sport Group, Melos is a leading manufacturer and supplier of high-quality EPDM granules, polyurethanes and other components for sports and leisure surfaces. 90 years of experience in rubber processing, the largest production capacities worldwide and a high-end research laboratory make Melos the absolute premium supplier in this sector.

Our products are developed and produced centrally in Germany, supported by other locations in the company group. True to the motto: "Rooted in Germany, at home in the world", our granules are already used in over 90 countries. Our strength lies not only in the impressive variety of products and colors – we also impress with the fastest delivery times in the industry. The Melos Village, a globally unique 1700 m<sup>2</sup> open-air showroom on the roofs of our production halls, offers a special insight.



# OUR RECIPE FOR YOUR SUCCESS

**Being and remaining the market leader —  
that is our incentive.**

**Setting standards and defining new ones —  
that is our goal.**

That is why we are always keen to continuously put all our products, our formulations and our processes to the test: What has proven successful? What can be improved and what do our customers want? Our Premium EPDM granules are the result of this work. The polymer content is particularly striking. More than 20 % pure EPDM is found in every single pellet.

For our customers, this means improved quality, durability and appearance. The mechanical properties in particular benefit from this increase, so that sports and play surfaces have a maximum service life and retain their attractive appearance in the long term.







»Our aim is to  
constantly improve –  
granulate by granulate«







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# $\geq 20\%$ PURE EPDM

## **More polymer creates added value.**

The high proportion of high-quality EPDM in our premium granules has a direct impact: for each granule the physical properties are improved, which leads to higher quality and longer lifetime on the final application.

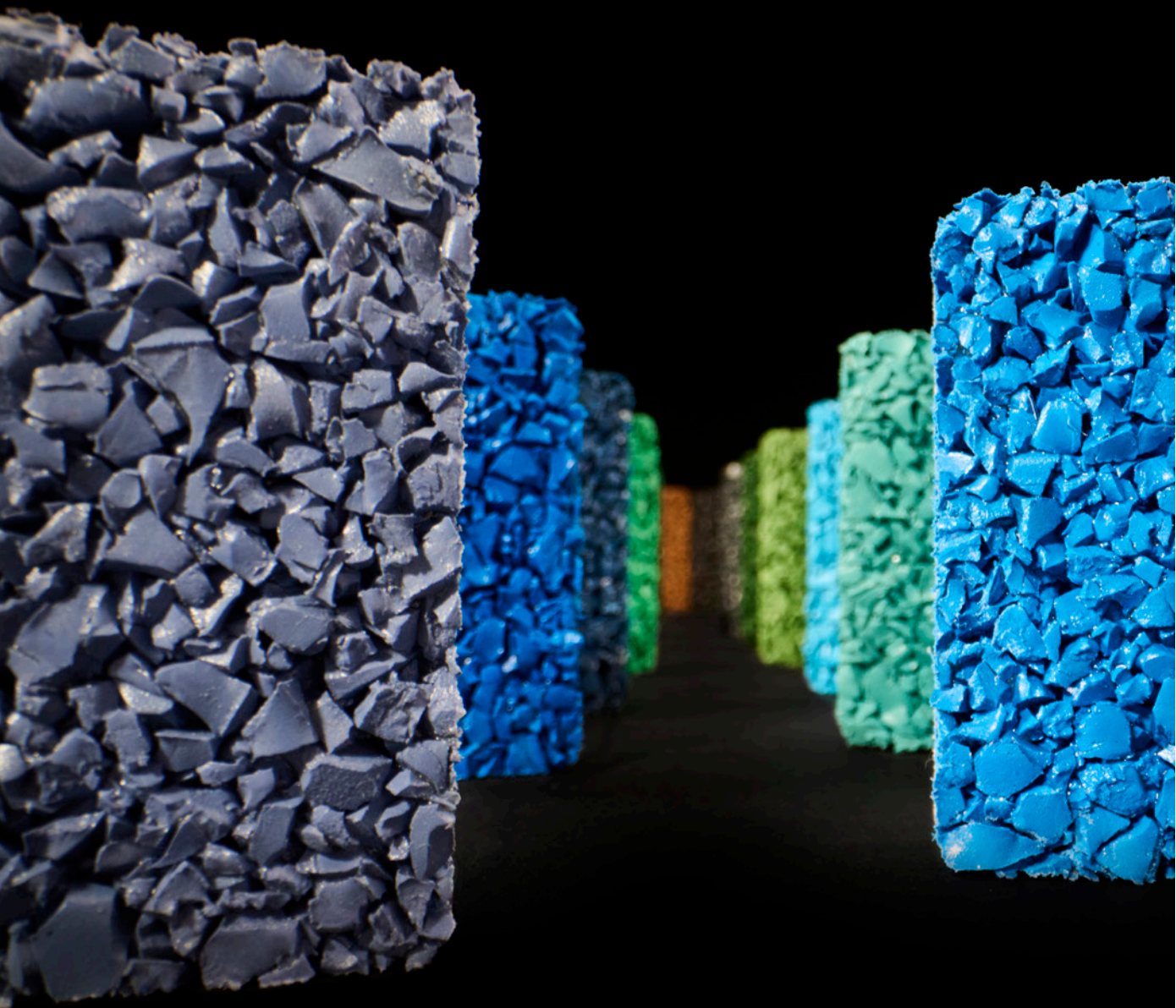
In addition, the special composition of the raw materials guarantees high color consistency, less chalking and a uniform appearance after installation of the covering.

A particular advantage for installers is the reduced dust content in the PE bags thanks to optimized production processes.

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# Noticeable benefits, visible results

Our premium EPDM granules make the difference.  
Each individual granule contains clear advantages that  
create real added value.

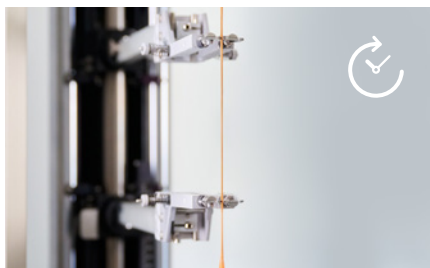






### Highest weather resistance

Climatic conditions have changed worldwide, so that long periods of drought, intensive UV radiation, high ozone levels and heavy rainfall are no longer uncommon. Melos has responded to this by developing Premium EPDM granules that can withstand all weather conditions. This means greater durability of the floor covering and longer usage times, even in fall and winter. This is good for the environment and your wallet.



### Maximum durability

Our premium EPDM granules are particularly durable thanks to the material composition and the use of the highest quality EPDM rubber. The floor coverings with Melos products have very good elongation at break and tensile strength in the top layer, which leads to greater stability and less cracking and edge separation.



### Optimum bulk density

Our premium EPDM granules are characterized by a perfect balance of functional product properties and low bulk density. This means that the granules are designed in their particle size and form in such a way that the quantity required for the defined installation area is economically low. This minimizes costs for both the client and the installation company.



### Consistent colors

Thanks to formulations optimized over decades and intensive quality controls, our customers can rely on the best possible color consistency. This results in a high-quality and homogeneous appearance of the floor covering.



### Minimized chalking & abrasion

Our premium EPDM granules are characterized by minimized chalking, i.e. a significantly reduced "whitening effect" on the surface and very low abrasion overall. This means that the impression and texture of the floor is retained for a long time.



### Greatly reduced dust content

The composition and production process of our granules result in a low dust content, which makes installation more pleasant for skilled workers and means that less binder is required during installation. The new antistatic premium packaging supports this effect and also reduces the adhesion of statically charged granules in the bags.



Durable, stable, brightly colored  
and high quality – when you  
choose EPDM granules from  
Melos, you are choosing quality.

Intensive research work  
and the selection of  
high-quality basic raw materials  
enable us to optimally adapt to  
the needs and requirements of  
our customers.

The result: EPDM premium  
granules for the top layer of  
sophisticated flooring systems.

Products that significantly  
improve the properties of sports  
and play surfaces.

# Floor coverings with a system

The right mixture for every  
application.

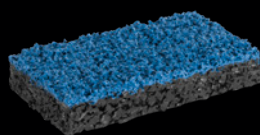




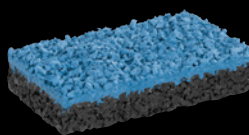
## Athletics

Whether for school, competitive or recreational sports - efficient training and good competition conditions are the top priority for track and field athletes. To meet all requirements in terms of health, economy, sustainability and appearance, there are standardized flooring systems to choose from.

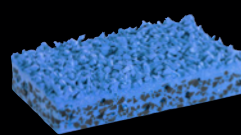
These systems are multi-layered and differ in layer thickness, number of layers, type of installation and material used. However, the decisive component is the same for all of them: the use of our Premium EPDM granules in the top layer.



Spray coating

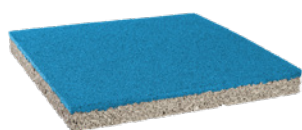


Sandwich system



Full pour system





Synthetic fall protection  
surfacing

### Outdoor & indoor playgrounds

Our fall protection surfaces for outdoor and indoor playgrounds ensure a high level of safety and are a visual highlight. With the world's largest variety of colors, individual color mixtures and the innovative Stylemaker® design tool, with which ready-to-install floor images can be created in no time at all, playgrounds can be transformed into creative adventure worlds. The cushioning elastic layer ensures safe playing fun.

Not only in terms of fall protection properties, but also in terms of health and the environment. All layers with our virgin material are 100 % PAH-free and therefore harmless to health. Incidentally, Melos Premium EPDM granules are also ideal for non-slip surfaces on water playgrounds.

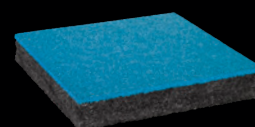




### Multifunctional fields

One granulate for numerous sports – from basketball and badminton to handball and volleyball, multi-purpose courts must be adapted to different conditions and requirements. Ideal force reduction, high elasticity, weather resistance, slip resistance or low abrasion – the flooring systems for multifunctional courts keep

these requirements in mind. They are made up of one or more layers and can be laid without joints. Here too, our high-quality premium EPDM granules form the top layer. The ideal basis for extended play and sports fun.



One or two layer  
EPDM systems

# RESEARCH AND YOU SHALL FIND

Quality is no coincidence.

**Only those who work to continuously improve product quality can be successful in the long term – and thus set new standards.**

**Since 2018, we have been researching, developing and testing in our Competence Center as a quality-certified company in accordance with DIN EN ISO 9001.**

**The modern equipment of the laboratories with appropriate working and measuring devices enables us to further improve the properties of the granules and meet the quality requirements of our customers.**

In our ultra-modern laboratory, tailor-made customer samples and specimens are produced using the latest compounding and testing equipment. We precisely analyze processability and material properties in order to develop optimal formulations and mixing processes that are individually tailored to your requirements.

In addition, mechanical and optical tests are a central part of our quality control. Properties such as hardness, grain size distribution, elongation or temperature resistance under real weathering conditions.

In chemical analysis, we ensure consistently high quality. Using highly specialized equipment, we analyze the chemical composition of the sample material in accordance with international standards such as DIN, EN or ISO. This data forms the basis for a careful assessment - because this is the only way we can ensure that every product meets the highest requirements.











We always have an open ear and are at your side with fast, flexible solutions – whether for short-term construction site deliveries or special customer requests. Simply **contact us** using the contact form on our website, by e-mail or telephone.



Do you need a competent **contact person** for your construction site? Do you have questions about installation and are looking for an uncomplicated solution? Do you have a complaint and would like a joint on-site inspection? No problem, we'll take care of it!



Our customers appreciate our availability and **fast delivery times**. All 28 standard colors with a grain size of 1.0–3.5 mm are kept in stock and are usually available within 2 weeks of receipt of order. We even supply special colors and grain sizes with a speed and flexibility that sets standards worldwide.





Quality is a matter  
of course for us, but our  
standards go further.  
The personal and competent  
support of our customers  
is our focus.  
From customized product  
solutions and technical advice  
to on-site inspections  
of construction projects  
by our team of application  
development experts:  
we are there for you.

# All from one source

Expertise you  
can count on.



Dubai, Berlin, New York City

# A worldwide track record: Where Melos moves people

**Around 40,000 tons of EPDM granules leave our production facility every year. Whether Dubai, Berlin or New York – people all over the world rely on our products. They form the basis for athletics tracks, playgrounds and multifunctional pitches. Be impressed by our diverse projects, which impress with their appearance as well as their outstanding mechanical properties. They promote the joy of movement, protect against injuries and at the same time protect the joints through optimal force reduction.**



Istanbul, Turkey



Lisbon, Portugal





Monterrey, Mexico

Melle, Germany





Radvanice, Czech Republic



Ingolstadt, Germany

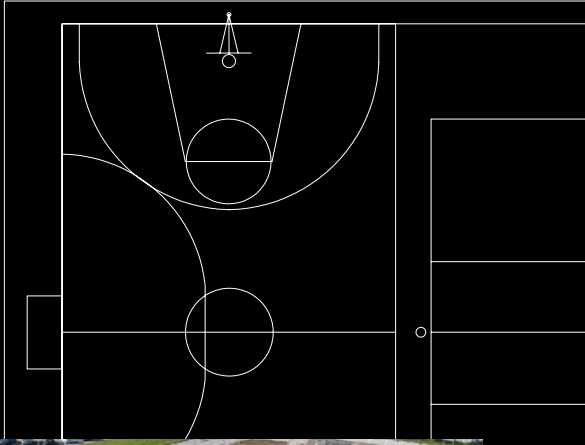


Regensburg, Germany

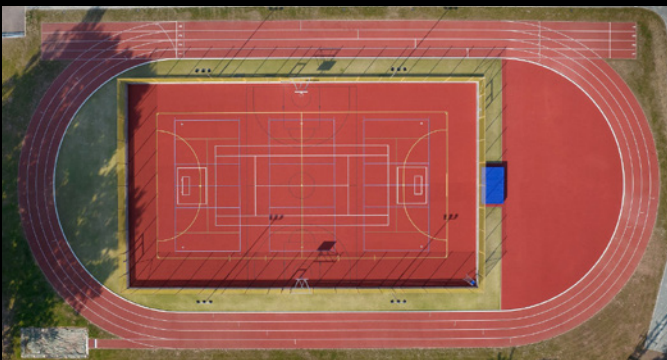


São Paulo, Brazil





Týn nad Vltavou, Czech Republic



Hronov, Czech Republic



Leipzig, Germany

# Fun and exercise

on the playground or multifunctional field

stylemaker®

# LARGE GRANULES, GREAT MOTIFS

Transforming playgrounds into creative  
adventure worlds — made possible by the  
innovative design tool Stylemaker®.



Ready-to-install floor images and colorful theme worlds can be created in no time at all. Choose from various standard motifs that can be customized in terms of size and color, create your own custom motifs or use impressive color gradients — there are no limits to your imagination.



## Color Blends

Individual color blends make your project an eye-catcher! A variety of color blends can be combined from 28 standard colors, which not only promote a harmonious overall impression, but are also particularly resistant to soiling.



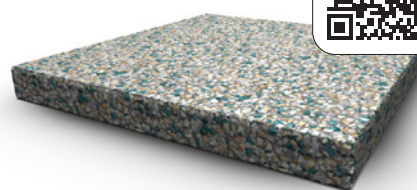
Earth  
Blend



Meydan  
Blend



Water  
Blend



## Granules Designer

With the Granules Designer, you can design your own color mix yourself — simply using the app or your computer. Combine from 28 colors until your desired color is created.



## 10 bags for your projects

Every year, impressive projects are created with our products and we want to see them! We reward the creativity of submitted customer projects with 10 bags of EPDM granules with your next order: [www.melos.com/10bags](http://www.melos.com/10bags)



More products

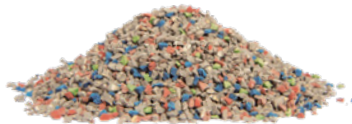
# PRODUCT DIVERSITY AT ALL LEVELS

In addition to our premium EPDM granules, our portfolio includes many other products that can be used in the base layer or as add-ons.



## **Melos Cushion+**

PAH-free cushioning and base layer for fall protection surfaces with the best fall protection properties and optimized material consumption.



## **Melos EPDM Soft**

PAH-free cushioning and base layer for artificial turf pitches, athletics and multi-sports surfaces made from 100 % virgin material.



## **Recycled Granules**

Recycled granules that are used in particular in the elastic layer due to their optimum force reduction.



## **90 Shore A**

Robust granules for surfaces with a homogeneous property profile and high resistance – ideal for sanded and sealed floors.



## **EPDM Mulch**

Durable and permanently color-fast alternative to classic rubber mulch with optimum fall protection properties and environmental compatibility.



## **InspecS®**

With the flush-to-floor, removable maintenance inserts for fall protection surfaces, regular inspection of foundation areas is child's play.





# THE GREATEST VARIETY OF COLORS FOR ALL APPLICATIONS

Benefit from a limitless selection of inspiring colors for the creative design of your sports and leisure surfaces.

All Melos colors have a high degree of homogeneity and color stability. All colors achieve top marks on the grey scale. This means you can rely on an attractive appearance for a long time.

In addition to 28 standard colors of EPDM granules, we also supply individual special colors – personalized according to your wishes from a quantity of three tons.

## 28 STANDARD COLORS

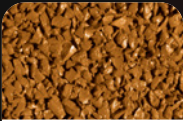
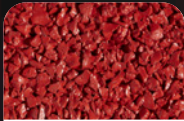
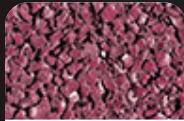
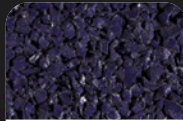

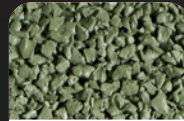
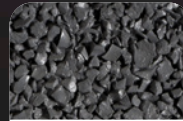
RAL average value<sup>1</sup>

Request  
a free  
sample book



 <b>BEIGE</b> 462100 RAL 1001	 <b>SAND YELLOW</b> 690600 RAL 1002	 <b>EARTH YELLOW</b> 465700 RAL 1006	 <b>YELLOW</b> 462000 RAL 1012	 <b>PEARL</b> 462900 RAL 1013	 <b>EGGSHELL</b> 462400 RAL 1015	 <b>ORANGE</b> 665700 RAL 2011
 <b>RED</b> 460000 RAL 3016	 <b>ROSE</b> 467500 RAL 3017	 <b>PURPLE</b> 463400 RAL 4005	 <b>HERTHA BLUE</b> 469100 RAL 5002	 <b>GENTIAN BLUE</b> 690700 RAL 5010	 <b>BLUE GREY</b> 461000 RAL 5014	 <b>SKY BLUE</b> 461800 RAL 5015
 <b>RAINBOW BLUE</b> 465900 RAL 5017	 <b>TURQUOISE BLUE</b> 465400 RAL 5018	 <b>CAPRI BLUE</b> 461500 RAL 5019	 <b>TEAL</b> 465800 RAL 5024	 <b>PATINA GREEN</b> 464000 RAL 6000	 <b>RESEDA GREEN</b> 464700 RAL 6011	 <b>MAY GREEN</b> 464100 RAL 6017
 <b>RAINBOW GREEN</b> 465600 RAL 6025	 <b>SIGNAL GREEN</b> 464600 RAL 6032	 <b>IRON GREY</b> 690800 RAL 7011	 <b>SLATE GREY</b> 463100 RAL 7015	 <b>LIGHT GREY</b> 463800 RAL 7035	 <b>BROWN</b> 462800 RAL 8024	 <b>BLACK</b> 463900 RAL 9004

## EXEMPLARY SPECIAL COLORS

 <b>MELON YELLOW</b> 675200 RAL 1028	 <b>BRILLIANT RED</b> 680500 RAL 3000	 <b>HEATHER VIOLET</b> 661600 RAL 4003	 <b>NIGHT PURPLE</b> 680600 RAL 5022	 <b>LIME GREEN</b> 686700 RAL 6018	 <b>MEADOW</b> 664200 RAL 6021	 <b>MEDIUM GREY</b> 668100 RAL 7037
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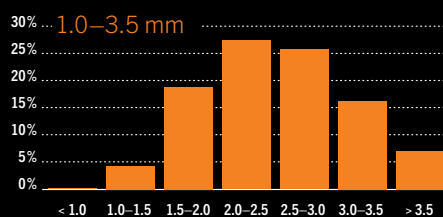
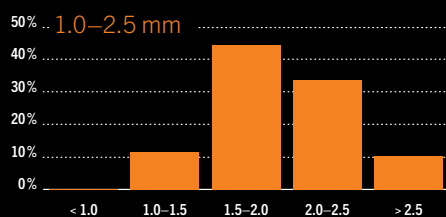
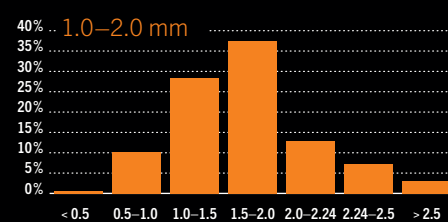
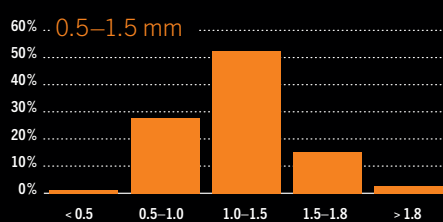
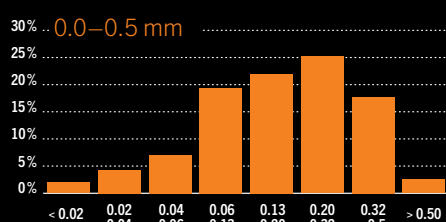


# EPDM GRANULES WITH THE BEST PROPERTIES

Numerous application options and outstanding product properties — certified in accordance with official environmental, quality and health guidelines — make Melos EPDM Granules the ideal material for your sports and leisure surfaces.

## SIEVE CURVES EPDM GRANULES

Average value<sup>2</sup>



\* Technically related variations in property and color and production-related variations as well as innovations and technical changes are reserved. Products shown may differ in configuration from the actual product.

<sup>1</sup> The RAL color specifications are non-binding approximations. Differences in color of the images are due to printing process.

<sup>2</sup> Measured according to ISO 13322-2 with an optical measuring system in mm.

## PRODUCT INFORMATION

PROPERTY	UNIT	TYPICAL VALUE*	TESTING ACC. TO
Polymer base	EPDM		
Polymer content	%	≥ 20 pure EPDM	
Density	g/cm <sup>3</sup>	1.60	DIN EN ISO 1183-1
Bulk density (± 5 %)	g/l	630	DIN EN ISO 60
Hardness (± 5)	Shore A	60	DIN ISO 48-4
Tensile strength	MPa	6	DIN 53504
Elongation at break	%	700	DIN 53504
Grain size	mm	0.0–0.5   0.5–1.5   1.0–2.0 1.0–2.5 and 1.0–3.5 (other grain sizes on request)	
Flame retardancy	Flame-retardant material according to class b-s1 (DIN EN 13501-1) available		

## HEALTH & ENVIRONMENTAL TESTS

### EN 71-3

Fulfills the requirements of the toy safety standard with respect to the migration of certain elements.

### PAH (REACH)

Fulfills the requirements of regulation (EC) No. 1907/2006, Annex XVII, entry 28 and 50.

## CERTIFICATES

DIN EN ISO 9001 (Quality) | DIN EN ISO 14001 (Environment) | DIN EN ISO 50001 (Energy) | DIN ISO 45001 (occupational health and safety)



**polytan**  
WE MAKE SPORT.

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