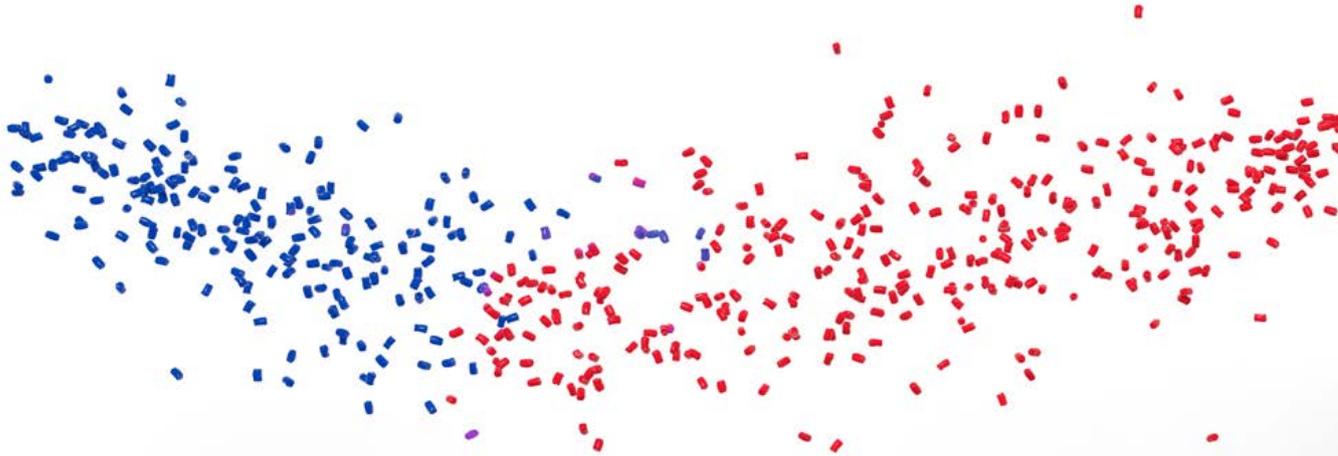
The logo icon consists of a cluster of small, rectangular blocks in blue and red, arranged in a roughly circular pattern.

PolyTherm



WE DEVELOP AND PRODUCE SOLUTIONS BY RECYCLING
AND REFINING THERMOPLASTIC ELASTOMERS.

We are PolyTherm

We, PolyTherm GmbH & Co. Kunststoffveredelungs-KG, located in Preußisch Oldendorf, are specialists in the preparation and processing of high-quality engineering plastics, which have been successfully marketed throughout Europe for more than 25 years. In close cooperation with our customers, we develop and produce individually adapted and optimized raw materials for a wide range of applications.

Our focus is on the thermoplastic elastomers segment, in particular TPU, TPC, TPS and TPV. During product development, we take into account the requirements of REACH, RoHS and other international directives. Of course, we are certified according to DIN EN ISO 9001-2015.

In the meantime, we have established ourselves as an innovative company in the international market and can now draw on a wealth of experience in the processing and preparation of high-quality plastics, such as elastomers and polyurethane.

For us, experience means competence and a commitment to constant innovation.



Our Strength

Flexibel

With our extensive product portfolio, we offer a wide range of engineering plastics.

Reliable

We have been your reliable producer for a successful partnership for over 25 years.

Efficient

The experience of our employees is the basis for efficient solutions to your material requirements.

Sustainable

We recycle high-quality plastics so that they can be returned to the value chain.





Compounding

You can rely on us!

The cooperation with our customers is the basis of our corporate philosophy. We have been successfully producing products for your individual needs for more than 25 years. Each order is specifically tailored to your requirements.

Thanks to our experience and flexibility, our innovative products are available quickly and easily. If required, we can produce small quantities of compounds from 25 kg. Of course, it can also be a little more. Always on the basis of our tried and tested PolyTherm quality standard, of course. Talk to us - we will develop and implement the right solution for your requirements!



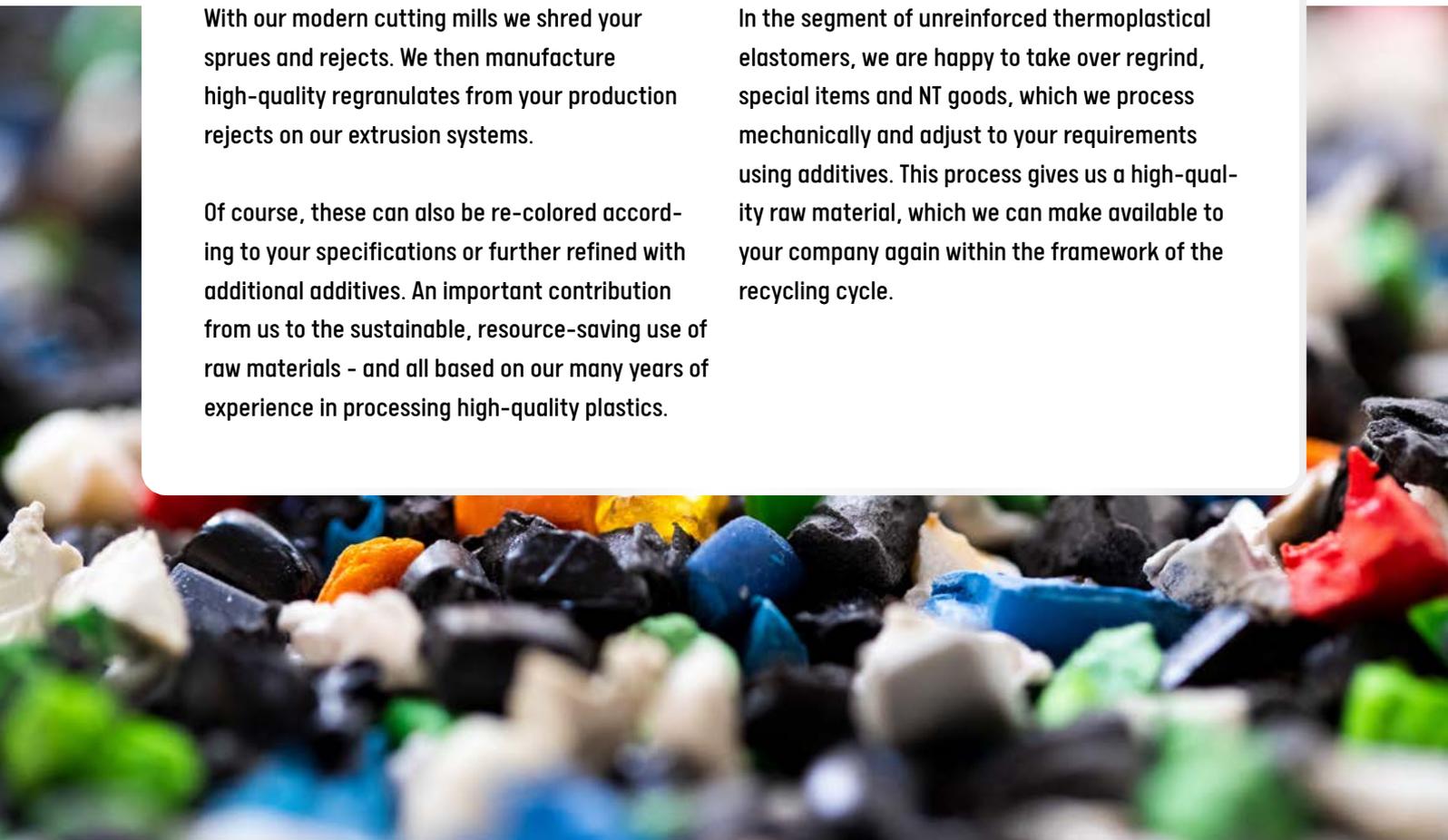
Contract processing

Your production scrap is a valuable raw material!

With our modern cutting mills we shred your sprues and rejects. We then manufacture high-quality regranulates from your production rejects on our extrusion systems.

Of course, these can also be re-colored according to your specifications or further refined with additional additives. An important contribution from us to the sustainable, resource-saving use of raw materials - and all based on our many years of experience in processing high-quality plastics.

In the segment of unreinforced thermoplastical elastomers, we are happy to take over regrind, special items and NT goods, which we process mechanically and adjust to your requirements using additives. This process gives us a high-quality raw material, which we can make available to your company again within the framework of the recycling cycle.



TPU Injection

Regranulate series

- Material used: regrind from production waste
- Variations in color and processability from batch to batch are possible
- Suitable for applications with simple to medium technical requirements
- Shore hardness from Shore A70 to Shore D60

Polylan 20s series

- Plain polyester (may contain parts of polyether)
- Minimal variations in color and processability from batch to batch are possible
- Suitable for applications with simple to medium technical requirements
- Injection molding based on polyester from Shore A70 to Shore D60

Polylan 25s series

- High quality polyester
- Constant quality
- Suitable for applications with higher technical requirements
- Injection molding based on polyester from Shore A70 to Shore D60

Polylan 60s series

- Polyether
- Resistant to hydrolysis and microbes
- Suitable for applications with higher technical requirements
- Injection molding based on polyether from Shore A70 to Shore D60



TPU Extrusion

Regranulate series

- Material used: regrind from production waste
- Variations in color and processability from batch to batch are possible
- Suitable for applications with simple to medium technical requirements
- Shore hardness from Shore A70 to Shore A98

Polylan 20s series

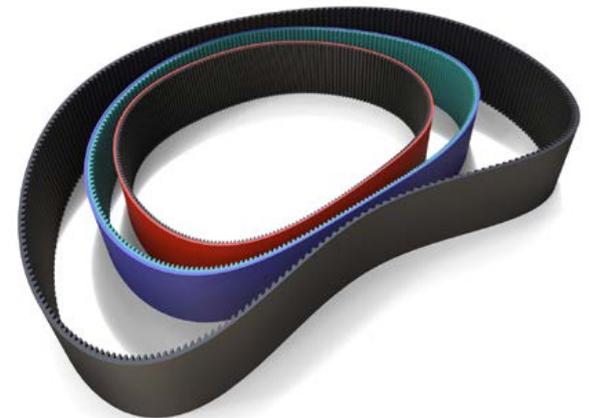
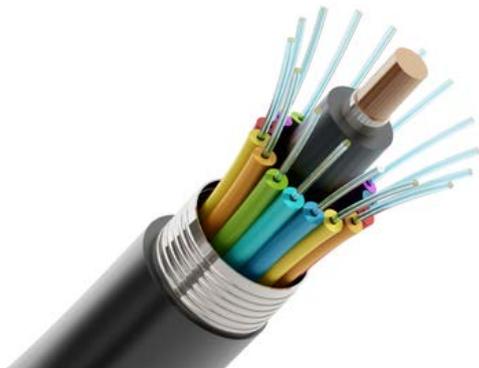
- Plain polyester (may contain parts of polyether)
- Minimal variations in color and processability from batch to batch are possible
- Suitable for applications with simple to medium technical requirements
- Polyester-based extrusion from Shore A70 to Shore A98

Polylan 25s series

- High quality polyester
- Constant quality
- Suitable for applications with higher technical requirements
- Polyester-based extrusion from Shore A70 to Shore A98

Polylan 60s series

- Polyether
- Resistant to hydrolysis and microbes
- Suitable for applications with higher technical requirements
- Polyether-based extrusion from Shore A70 to Shore A98



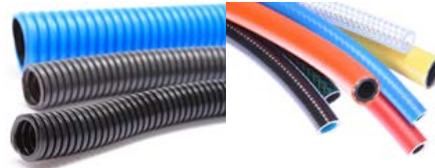
TPC Injection / Extrusion

Regranulate series

- Material used: predominantly regrind from clean production waste
- Slight fluctuations in the mechanical properties from batch to batch are possible
- Suitable for applications with simple to medium technical requirements
- Shore hardness from Shore D35 to Shore D70

Polysan series

- Material used: granulates made from virgin material
- Suitable for applications with medium to higher technical requirements
- Shore hardness from Shore D35 to Shore D70



TPS Injection / Extrusion

Regranulat series

- Raw material used: predominantly regrind from clean SEBS production waste
- Slight fluctuations in the mechanical properties from batch to batch are possible
- Suitable for applications with simple to medium technical requirements
- Shore hardness from Shore A55 to Shore D50

Polysan series

- Material used: granulates made from virgin material
- Suitable for applications with medium to higher technical requirements
- Shore hardness from Shore A55 to Shore D50



TPV Injection / Extrusion

Regranulat series

- Material used: predominantly regrind from clean production waste
- Slight fluctuations in the mechanical properties from batch to batch are possible
- Shore hardness from Shore A55 to Shore D50

Polysan series

- Material used: granulates made from virgin material
- Suitable for applications with medium to higher technical requirements
- Shore hardness from Shore A55 to Shore D50



Compounding as desired

Your special requirements for compounded material have been the focus of our successful business development for decades. With the experience and technical competence of our development team, we work with you to develop product-specific, application-appropriate solutions for your products - from the requirement profile through the first test quantities to mature series production.

The basis of a successful development is our single-variety primary material, which we manufacture into a special compound using modern machine technology based on your requirements. Supplemented by additional additives, this material is then your special starting material for your further processing.

For your safety and to speed up the production process in the event of a reorder, we take a sample from each finished batch, which we can use to promptly reproduce another batch at any time.

We use the following additives today: color additives, mold release aids, UV protection, flame protection.

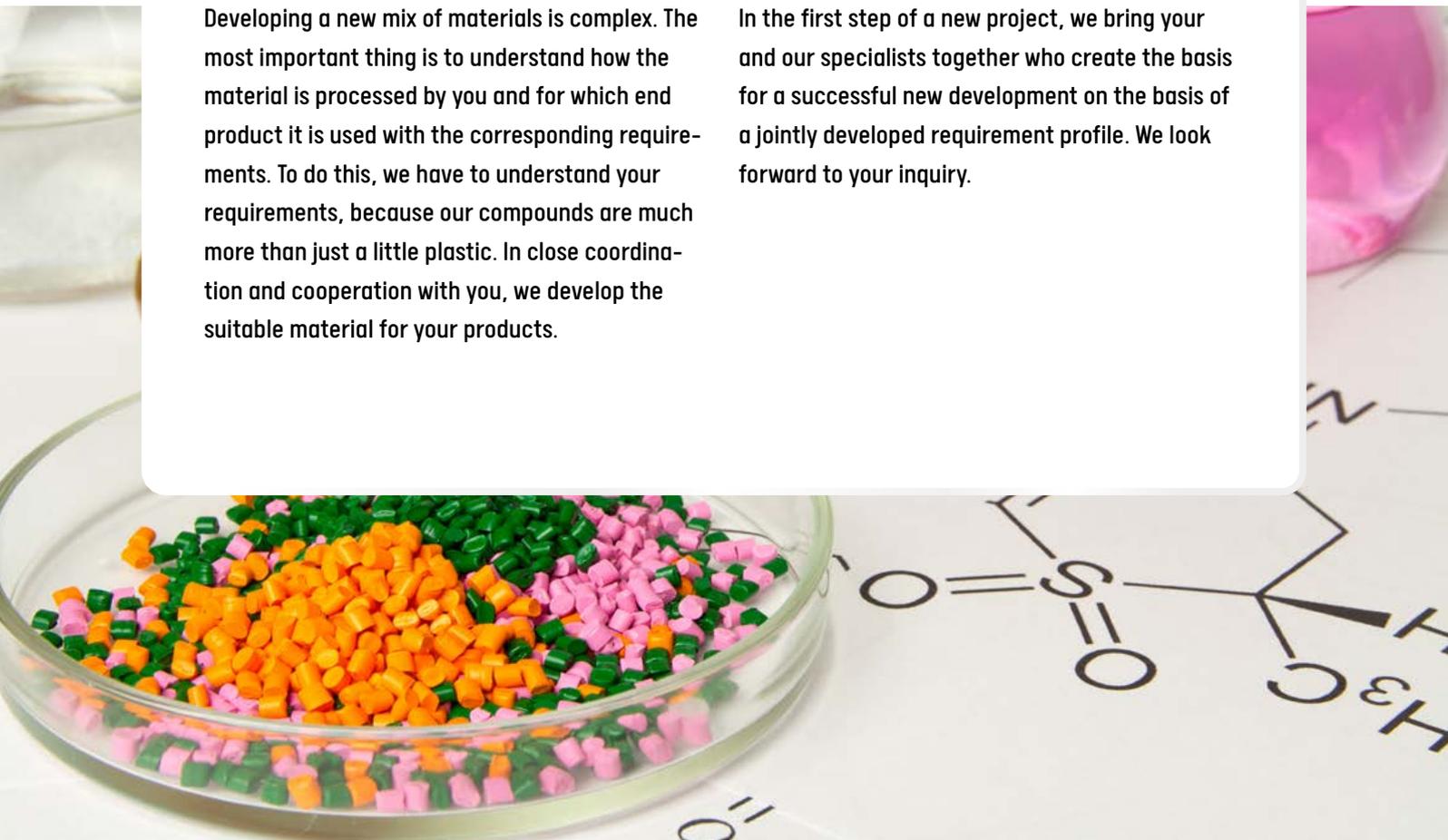


Development

Together we are simply unbeatable!

Developing a new mix of materials is complex. The most important thing is to understand how the material is processed by you and for which end product it is used with the corresponding requirements. To do this, we have to understand your requirements, because our compounds are much more than just a little plastic. In close coordination and cooperation with you, we develop the suitable material for your products.

In the first step of a new project, we bring your and our specialists together who create the basis for a successful new development on the basis of a jointly developed requirement profile. We look forward to your inquiry.



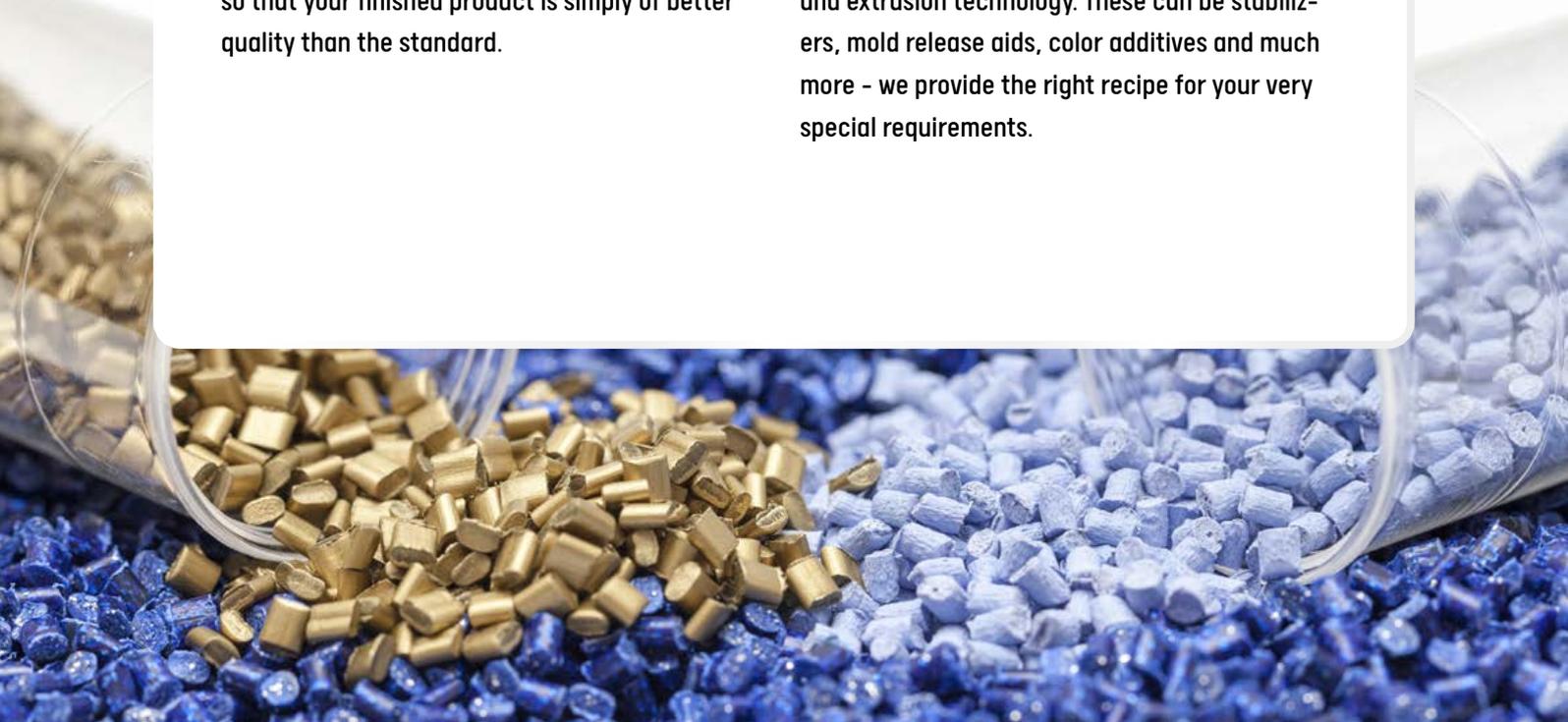


Refining

We would be happy to do something very special for you!

When we started our business, we quickly realized that you, as a customer, often do not want to use the high-quality standard material for your very special application. You want that certain "extra" so that your finished product is simply of better quality than the standard.

This is exactly where we start with our daily activities: creating additional added value on an already high-quality raw material. We combine the plastic with additional additives using the latest dosing and extrusion technology. These can be stabilizers, mold release aids, color additives and much more - we provide the right recipe for your very special requirements.





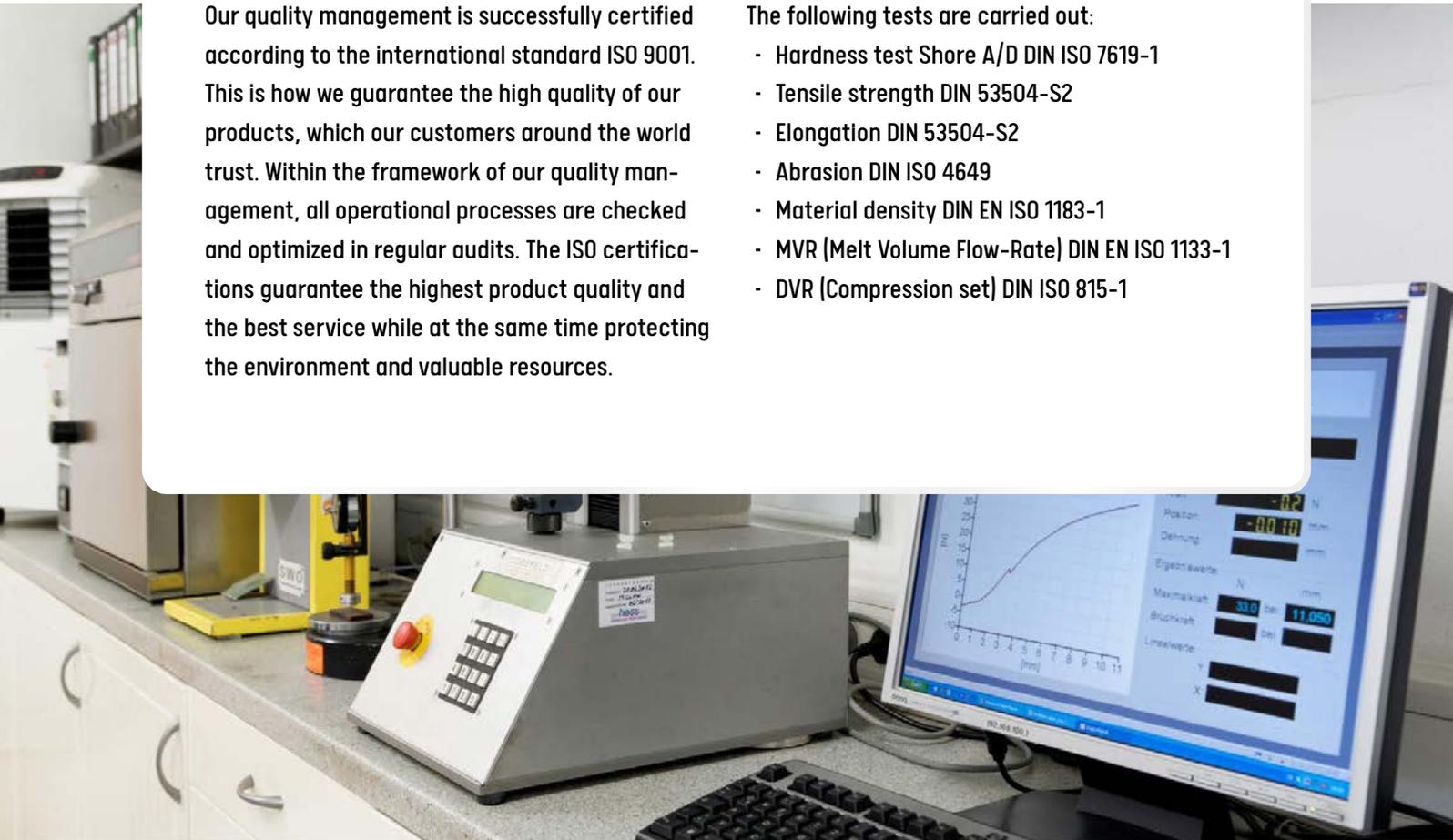
Quality assurance

PolyTherm stands for quality "Made in Germany"!

Our quality management is successfully certified according to the international standard ISO 9001. This is how we guarantee the high quality of our products, which our customers around the world trust. Within the framework of our quality management, all operational processes are checked and optimized in regular audits. The ISO certifications guarantee the highest product quality and the best service while at the same time protecting the environment and valuable resources.

The following tests are carried out:

- Hardness test Shore A/D DIN ISO 7619-1
- Tensile strength DIN 53504-S2
- Elongation DIN 53504-S2
- Abrasion DIN ISO 4649
- Material density DIN EN ISO 1183-1
- MVR (Melt Volume Flow-Rate) DIN EN ISO 1133-1
- DVR (Compression set) DIN ISO 815-1





Logistics

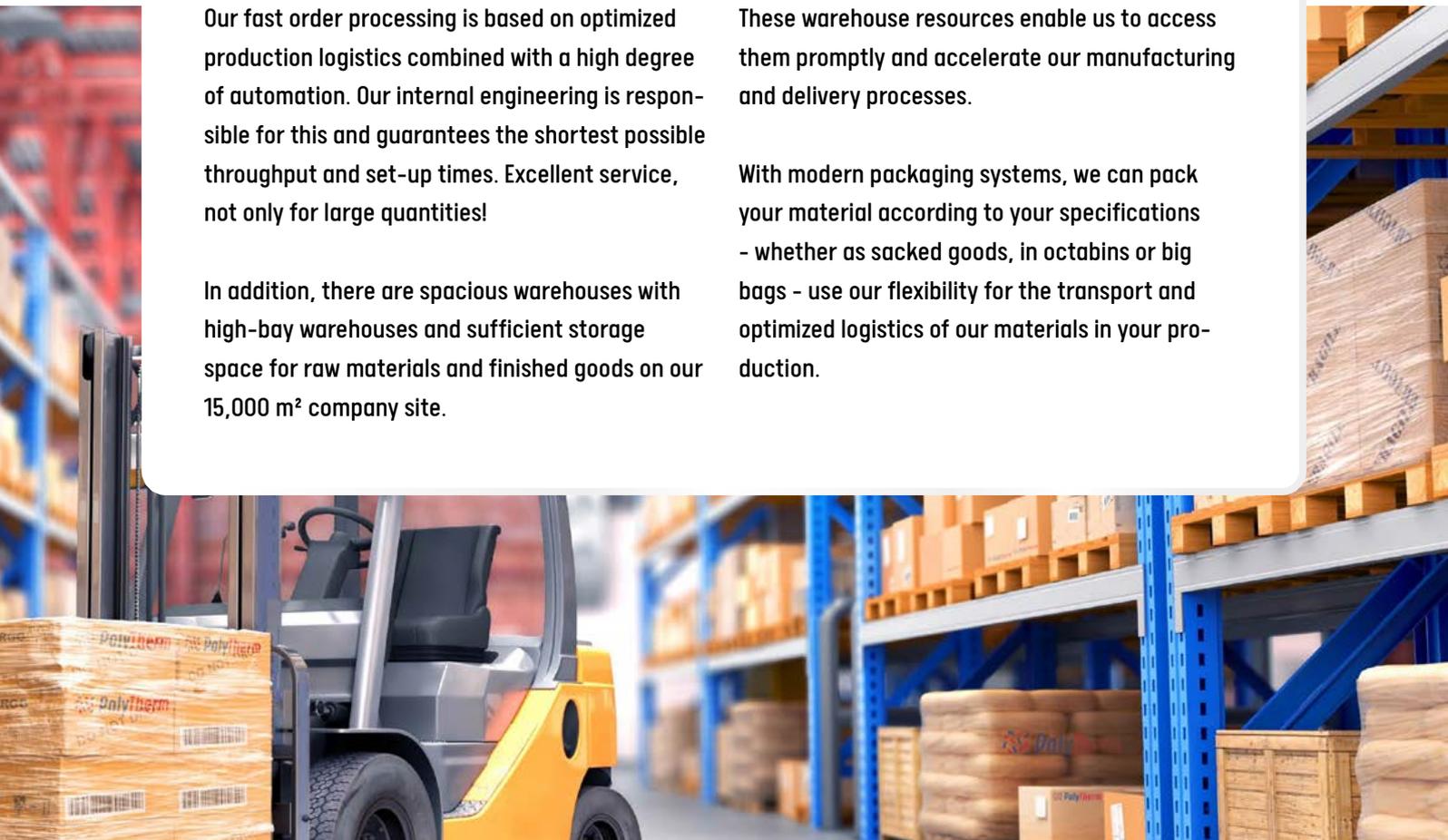
We guarantee short delivery times.

Our fast order processing is based on optimized production logistics combined with a high degree of automation. Our internal engineering is responsible for this and guarantees the shortest possible throughput and set-up times. Excellent service, not only for large quantities!

In addition, there are spacious warehouses with high-bay warehouses and sufficient storage space for raw materials and finished goods on our 15,000 m² company site.

These warehouse resources enable us to access them promptly and accelerate our manufacturing and delivery processes.

With modern packaging systems, we can pack your material according to your specifications - whether as sacked goods, in octabins or big bags - use our flexibility for the transport and optimized logistics of our materials in your production.





Experience

For us, experience means competence and innovation

The right questions are the key to successfully solving a new material development. We at PolyTherm have learned which questions we have to ask in order to be able to develop a tailor-made material from the answers.

Asking the right questions for more than 25 years has resulted in us bringing incomparable know-how under one roof - from the idea to series production, from the first customer contact to controlling the machine parameters in our production systems.

Your daily inquiries and requirements for ever new areas of application are our main drive for the constant further development of existing recipes, but also for innovation in the composition of new compounds.





Sustainability

Our obligation and responsibility towards people and nature

Sustainability in all areas of the company is the essential cornerstone of our corporate philosophy for our long-term strategic orientation. When PolyTherm was founded more than 25 years ago, the guiding principle was the processing of high-quality plastics for return to the general value chain.

The focus of our service is the processing of raw materials from many well-known European raw material producers from overproduction or

production committees. With our experienced employees and a modern machine park, we can reprocess these materials and also manufacture them precisely for your application by adding further additives.

In this way, we ensure that high-quality raw materials from primary production can be returned to normal processing directly after our refinement.



PolyTherm



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