



PACKED WITH EXPERTISE

SOFT EST.[®] – THE ESTABLISHED TPE
FLEXIBLE APPLICATION,
PRECISE RESULTS

A member of  **ALTANA**

 **ACTEGA**

OUR BRAND IS OUR CLAIM

In the form of SOFT EST.[®], ACTEGA offers tried and tested thermoplastic elastomers (TPE) for applications in the consumer goods market. Under this brand, we bundle our decades of expertise in the area of manufacturing TPE granulate and developing sophisticated TPE formulations for highly-regulated markets.

SOFT EST.[®] TPE represents an extensive portfolio of flexible TPE compounds perfected for injection-molding.

Reliability of supply

We supply customers from over 100 countries around the world and guarantee swift and reliable delivery. Whether by land, sea or air – we get your order to you on time.

Cost efficiency

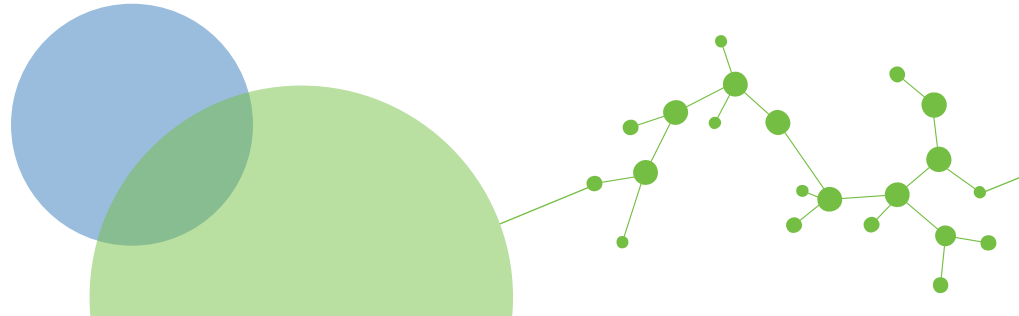
As an experienced expert in your field, we offer both standard and specialty products for niche markets. This enables us to offer you application-optimized and economical solutions.

Prudence

Our reliable products are made of pure food-grade raw materials. We rely on a trusting cooperation so that you can enjoy safety in every respect.

Time saving

With SOFT EST.[®] we already have the solution for you to do one thing above all: Save time! Your permanent personal contact will also ensure that your projects run quickly and smoothly.



WITH THE VERY BEST FEATURES FOR ANY SITUATION

ACTEGA knows that you need something to give your product a certain edge. Our tried and tested portfolio of TPEs, all of which comply with specific market regulations, offers you an extensive range of functions.

With SOFT EST.® TPEs, your end product is attributed an upgraded look which attracts attention in the market while our materials act as flexible plastics with a convincing grip and leakproofness.



Good grip

- Strong and secure hold
- hard/soft combination
- Ergonomic
- Non-slip

Leakproof

- Prevents transfers by odors, flavors and materials
- Prevents contamination thanks to tight and leakproof seal
- Increases the shelf life

Attractive

- Improves product perception
- Design through shape and color
- Visual upgrade by decorative elements

Tried and tested

- Food-safe according to EU 10/2011 & FDA
- Safe for toys (EN 71-3)
- Dishwasher-safe
- Free of PVC and phthalates

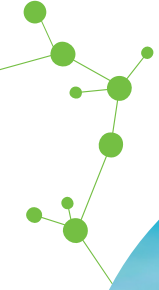
TAILORED FOR YOUR APPLICATION

In the form of SOFT EST.®, ACTEGA has created a range of TPE products which are specially tailored to the demands of manufacturers of consumer goods applications. With our experience and competence in TPE plastics, we help to ensure that your next product innovation soon makes its mark on the market.

Discover the areas of application in which SOFT EST.® is the preferred material solution.

Applications

- Kitchen and Household
- Bath and personal care
- Baby
- Toys
- Sports and leisure
- Pets
- Garden
- Cosmetic Packaging
- Stationery
- Your next innovation



PRODUCT OVERVIEW

Comprising a total of 22 TPE materials, the SOFT EST.® portfolio offers ultra-transparent, translucent and natural-colored versions in Shore hardnesses ranging from A-20 to A-85.

TRANSPARENT GRADES					
Product	Shore Hardness	Density [g/cm ³]	Tensile Strength [MPa]	Elongation at Break [%]	Tensile Strength at 100% Elongation [MPa]
SOFT EST.® 1150 TP	50	0.95	6.6	400	4.8
SOFT EST.® 1160 TP	60	0.95	8.1	330	6.1
SOFT EST.® 1170 TP	70	0.96	10.2	300	7.8
SOFT EST.® 1180 TP	80	0.97	11.6	270	9.0
TRANSLUCENT GRADES					
SOFT EST.® 2130 TL	30	0.89	1.7	410	1.2
SOFT EST.® 2140 TL	40	0.89	2.2	320	1.8
SOFT EST.® 2150 TL	50	0.89	2.9	440	1.8
SOFT EST.® 2160 TL	60	0.89	3.5	410	2.4
SOFT EST.® 2170 TL	70	0.89	4.8	430	3.3
SOFT EST.® 2180 TL	80	0.89	6.7	490	4.4

Natural Grades

Product	Shore Hardness	Density [g/cm ³]	Tensile Strength [MPa]	Elongation at Break [%]	Tensile Strength at 100% Elongation [MPa]
SOFT EST.® 3120 NC	20	1.02	1.0	390	0.7
SOFT EST.® 3130 NC	30	1.02	4.0	800	1.1
SOFT EST.® 3140 NC	40	1.02	4.9	780	1.4
SOFT EST.® 3150 NC	50	1.02	6.0	770	1.7
SOFT EST.® 3160 NC	60	1.02	6.6	720	2.2
SOFT EST.® 3170 NC	70	1.02	7.5	660	3.1
SOFT EST.® 3180 NC	80	1.02	8.7	640	4.0

SOFT EST.® 4145 NC	45	1.18	3.9	720	1.3
SOFT EST.® 4155 NC	55	1.18	4.3	660	1.6
SOFT EST.® 4165 NC	65	1.18	5.2	620	2.2
SOFT EST.® 4175 NC	75	1.18	5.7	600	2.8
SOFT EST.® 4185 NC	85	1.18	7.1	530	4.1

About ACTEGA

ACTEGA is regarded as the world's leading manufacturer of TPE granulate for highly-regulated markets. Integrated in the global structure of the specialty chemicals group ALTANA, we are part of the ACTEGA division.

With 40 years of experience, ACTEGA produces flexible plastics for special markets in the foodstuffs and consumer goods industry as well as in the medical and pharmaceutical industry.

Following the motto „Packed with Expertise“, ACTEGA does not only offer technically sophisticated product solutions, but also meets the high safety standards of food contact, toy and medical applications. We are looking forward to be your partner on the way to your next innovation.

Technical support and service

- On-site support, e.g. for sampling and market launch
- Outstanding expertise in the area of polymer chemistry and plastics technology
- In-house technical center with injection-molding machines and sophisticated application technology
- Access to a global service network of experienced experts

Quality and sustainability

- Establishment of various management systems (ISO 9001; ISO 14001; ISO 22000; ISO 50001)
- Adherence to maximum demands on quality, purity, cleanliness and hygiene
- Utilization of synergies thanks to the global structure of the ALTANA Group
- Comprehensive consulting for sustainable results

Development

- High degree of competence in TPE compositions
- State-of-the-art equipment and chemical analytics
- Tailored solutions
- 5-6 % of revenue is invested in R&D





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