



TPE
Consumer Series

ENFLEX[®]
& EZPRENE[®]

TPV

ENSOFT[®]
TPE-S



“Don't try to be
the best, try to
work with the
best”

Raf Van Gorp
Founder



ENFLEX® & EZPRENE® TPV / ENSOFT® TPE-S

Ravago TPE in Consumer applications

Our TPE compound ensoft enflex ezprene products have been developed according to the requested final product specifications, meet the desired standards and comply with the desired regulatory standards thanks to their special formulas.

Flexible hand tools-soft touch grips for sports-households-goggles-bike handles-razor-tootbrushes-bath mats-wheels-food storage boxes-footwear applications-gaskets-toys.

- Easy to colour and recyclable in production
- Food contact grades
- Adhesion grades for hard-soft combinations with recycled content
- Silky smooth, soft-touch or non-slip surfaces possible

compliant with;

- EN 71/3
- Regulation (EU) No. 10/2011
- FDA 21 CFR RoHS and REACH compliant





ENFLEX® & EZPRENE® TPV / ENSOFT® TPE-S

TPE Daily cares

- Good bondability
- High melt flow & Colorability
- FDA & FCA compliance
- Low odor & good haptics

It can be easily colored with masterbatch. Their excellent colorability gives designers and handlers greater possibilities and versatility in toothbrush designs. Our materials adhere well to PP & PS. Their soft and non-slip appearance can provide effective comfort and control in the wearer's daily routine.

It is formulated to bind to various engineering plastics such as PP, HIPS and ABS. With good surface appearance, they are perfect for razor blade design, providing excellent control in the user interface.

Enhance Flexible Series



Face mask & protection equipments



Hand gloves





ENFLEX® & EZPRENE® TPV / ENSOFT® TPE-S

TPE Daily cares

- Ensoft grades are suitable for skin contact and have FCA
- Established market requirements such as Regulation (EU) No 10/2011 REACH and RoHS conformity
- No use of heavy metals; conformity to EN71-3 & Recyclable and easy colorable
- Upon request other hardness levels with FCA that can be fit on purpose to all series
- These materials can be used if it clearly stated that there is no medical approval required.





ENFLEX® & EZPRENE® TPV / ENSOFT® TPE-S

TPE

Home and household applications

It has high flow property for convenient molding and has chemical resistance.

It is easily Co-injection /overmolding on PP, PE, PA, ABS, PC, HIPS...

REACH and ROHS available

ENSOFT TPE materials are suitable for the soft parts of hand tools. A soft and non-slip hand hammer will have better ergonomic function.

Using ENSOFT TPE for soft grips on power tools allows you to have a comfortable and firm grip. Your hand does not slip, allowing you to experience much more control and safety.



Tool Handles & Grips

ENFLEX® & EZPRENE® TPV / ENSOFT® TPE-S

TPE

Home and household applications

Ensoft-Enflex TPE-s & TPE-V materials suitable for the production of wheels suitable for office and garden equipment with their low oil bleed and high abrasion resistance. It is also suitable for hospital bed wheels with antistatic features.



Castor & Lawn Mower Wheels & Antistatic Wheels



Toys for childs & pet care

Ensoft TPE materials that comply with EN 71/3 toy regulations. They are free from heavy metals and toxic substances.



ENFLEX® & EZPRENE® TPV / ENSOFT® TPE-S

TPE Home and household applications

Kitchen Utensil & Furniture bed slat holder

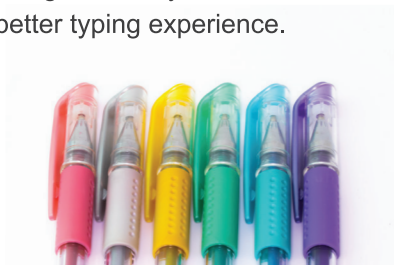
Made using thermoplastic elastomers with soft-touch handles. From the hard plastic used in some kitchen knives to the soft, rubbery material used in child safety cutlery, ENSOFT TPE is the right material for the job. FCA & FDA compliance and suitable for skin contact, does not contain any heavy metals.

ENSOFT SBS-SEBS based products can be considered as a low economic solutions, with low oil bleeding properties, they are very suitable for bed slat holder parts.



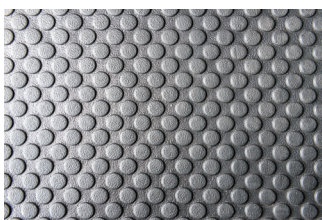
Office supplies-Pen grips & erasers

It can be bonded with PP and SAN. They're also easy to color and embroider, giving designers and processors greater design flexibility. With excellent anti-slip surface appearance, it can give users a soft and comfortable touch feeling for better typing experience.



Anti slip floor mats & step boards

They are suitable material to replace PVC and rubber to make anti-slip but not sticky surface floor mats that are suitable for bathroom or wet area.





ENFLEX® & EZPRENE® TPV / ENSOFT® TPE-S

TPE Sport & Outdoor applications

TPE-S ENSOFT grades can replace synthetic and natural thermoset rubber and offers elastic properties by plastic processing.

TPE can also be used to replace PVC for sports equipment, making it more environmentally friendly. Due to their thermoplastic nature, they are recyclable, making them a 'green' proposition to the world.

Thanks to its special structures, it has sea salt and long-term UV resistance. They retain their color for a long time without losing their elastic structure. Suitable for skin contact and non-allergenic.

High gloss –transparent TPE

Transparent TPE is the ideal solution for the production of objects that require high resistance to mechanical stress, scratching and aging, such as sports equipment (underwater masks, snorkels watch straps), designer items, toys.



Ravago Sustainability

Ravago Recycled Series

SEBS Ensoft SN141-161 Series & SN 300 Series & TPV Enflex VN420 Series

PIR: Post Industrial Recycled and is the raw material made from waste generated within the industry.
PCR: Post Consumer Recycled and is the raw material made from waste from the consumer/end user.

	TPE ENSOFT®	TPV ENFLEX®	TPO ENFLEX®
Density gr/cm3	0,90 - 1,18	0,97	0,90 - 1,18
Hardness	60A up to 45D	60A up to 50D	60A up to 45D
Recycled ratio		%6 up to % 50	
Process Method	Extrusion - Injection- Blow molding		

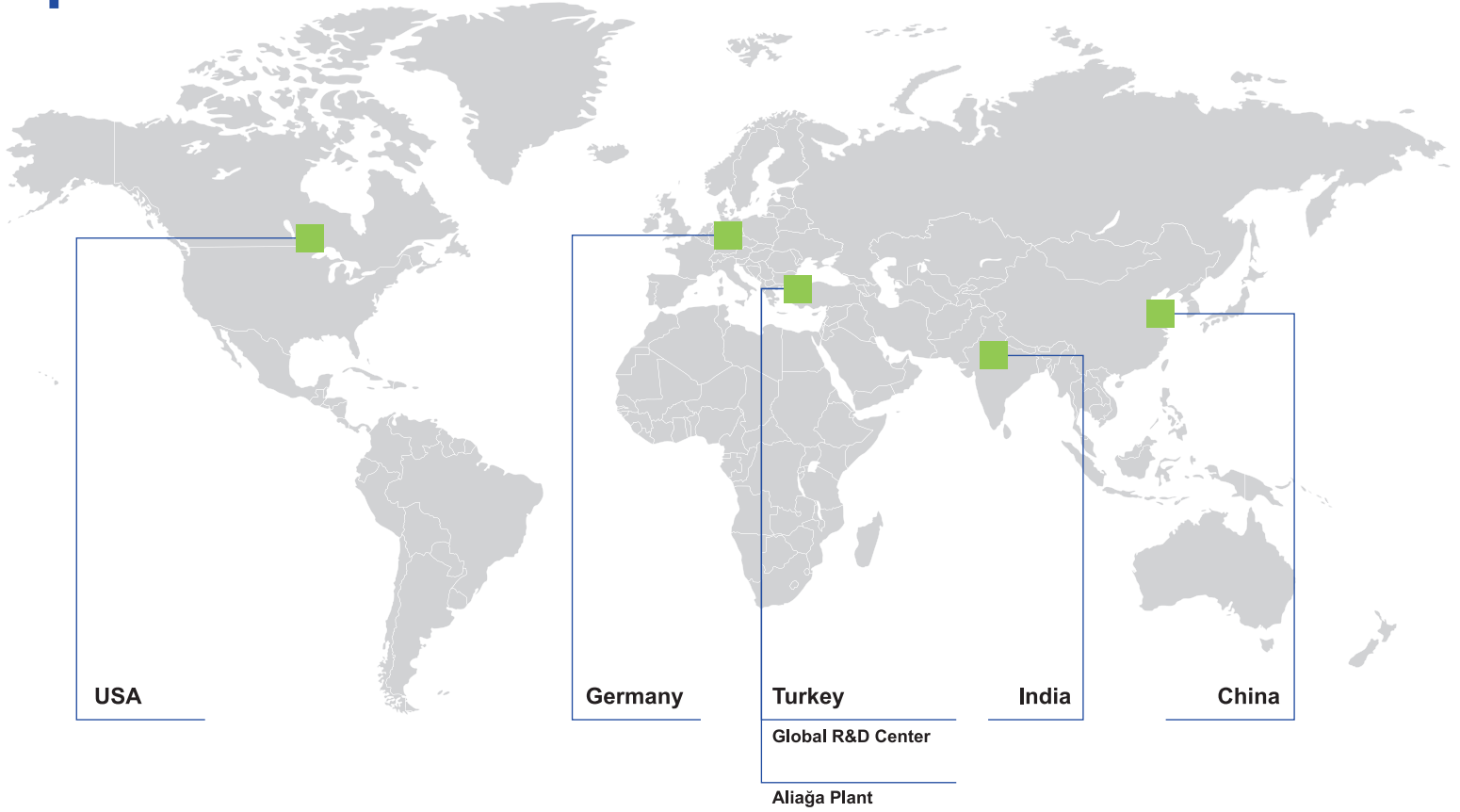
PIR & PCR feedstock and REACH and ROHS available

“ Sustainability in the truest sense of the word is the ability to sustain, survive and uphold the great culture we nurture a culture of giving back to the world what it has given us. ”

Axel Roussis
 Commercial Director - Ravago



Manufacturing plants



📍 Ravago Petrokimya Üretim A.Ş.
Çoraklar Mh. 5000 Sk. No:7-17 AOSB Aliağa/ İzmir / Türkiye

☎ +90 850 314 70 99

🌐 www.ravagopetrokimya.com ✉ tpe.sales.tr@ravago.com

Before using a RAVAGO product, customers and other users should make their own independent determination that the product is suitable for the intended use. They should also ensure that they can use the RAVAGO product safely and legally. This document does not constitute a warranty, express or implied, including a warranty of merchantability or fitness for a particular purpose. In addition, no immunity under RAVAGO intellectual property or third parties' intellectual property rights shall be implied from this document. No one is authorized to make any warranties, issue any immunities or assume any liabilities on behalf of RAVAGO except in a writing signed by an authorized RAVAGO employee. Unless otherwise agreed in writing, the exclusive remedy for all claims is replacement of the product or refund of the purchase price at the option of RAVAGO, and in no event shall RAVAGO be liable for special, consequential, incidental, punitive or exemplary damages. All information ("Information") contained herein is provided without compensation and is intended to be general, but confidential in nature. You should not rely on it in making any decision. RAVAGO accepts no responsibility for results obtained by the application of this Information, and disclaims liability for all damages, including without limitation, direct, indirect, incidental, consequential, special, exemplary or punitive damages, alleged to have been caused by or in connection with the use of this Information. RAVAGO disclaims all warranties, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, that might arise in connection with this information.