



FSM TPU
for food contact
applications

EPAFLEX 
POLYURETHANES



The Company

Epaflex Polyurethanes ® was founded in 1991 in Cassolnovo, Italy, as a manufacturer and supplier of polyurethane systems to the footwear industry. Over the years, Epaflex has grown and expanded the product line to better address market challenges and customers' needs by adding production of thermoplastic polyurethane (TPU) and polyurethane products for use in coatings, adhesives, sealants, and elastomer (CASE) applications.

Together with the parent company, Elachem ®, which is located in Vigevano, Italy, Epaflex Polyurethanes ® forms a vertically integrated industrial group with state-of-the-art manufacturing facilities. The upstream integration of polyester polyol coming from Elachem ® is a competitive advantage that enables a broader development envelope for TPU, control, and flexibility in the global polyurethane market.

In 2023, Epaflex has furthered expanded their scope into the Americas by launching EPAFLEX Americas - a wholly owned subsidiary of Epaflex Polyurethanes ® intended to service the North American market. EPAFLEX Americas will draw on a rich legacy of over 30 years of design and manufacturing expertise of thermoplastic polyurethane.

EPAFLEX is proud to offer 5 TPU product families that have been specifically designed to meet the requirements of the targeted applications.



for demanding injection molding applications



for technical extrusion applications



bio-based TPU with same properties as fossil-based products.



specially designed TPU based elastomers



for production of solvent borne adhesives

FSM: Food Safe TPU Materials for your applications

Materials for food contact applications

Properly and safely processed food plays a vital role in our daily lives, and food processing machinery mandates the use of safe and clean high-performance components.

EPAFLEX has developed a wide range of grades that fully meet requirements set by **Regulation EU 2023/1445** and are, therefore, manufactured according to the most stringent GMP (Good Manufacturing Practices) guidelines, in the Cassolnovo plant in Italy.

Materials for drinkable water

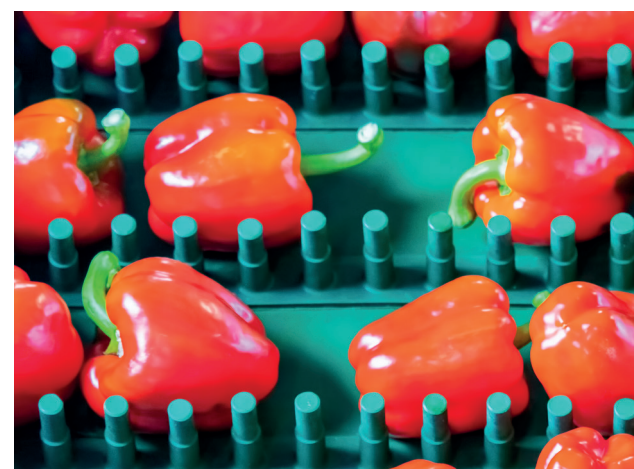
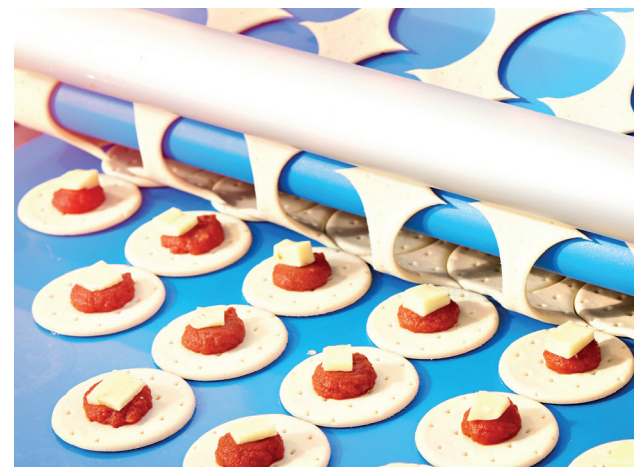
Clean water is essential to life, and delivering clean drinkable water is a key element to ensure a proper life standard to every citizen of this world. Preserving water from contamination during transportation and storage is a key feature of current and future drinking water equipment standards. EPAFLEX listened very carefully to the requirements of the market and achieved several certifications according to **NSF/ANSI/CAN 61 and 372 standards**. Moreover, EPAFLEX R&D and Operations teams are working to progressively add more certifications to the current portfolio, including the ones set by **Regulations EU 2024/367 and 2024/370**.

Commercially available globally

You will find a selection of the **EPAFLEX FSM TPU** grades in the following pages, together with the key applications they are suitable for.

Please note that **EPAFLEX FSM** grades are commercially available in 700 or 1000 Kg octabins in Europe and in APAC, or in 750 Kg boxes in Americas. To prevent contamination during transportation, storage and handling, we always use a protective inlayer in our FSM packaging.

Please get in touch with your EPAFLEX contact if you are interested in more precise and detailed info, or if you want to know about the latest updates of our FSM portfolio.



Our present portfolio of polyester-based FSM products and a quick guide to their applications

EPA mould 

EPA line 

	 HARDNESS	 HOSES AND TUBES	 TOOTHED BELTS	 FLAT BELTS	 PROFILES	 TECHNICAL PARTS	 NOTES
EPAMOULD DPS 285 A FSM	85 A						
EPAMOULD DPS 290 A 10 FSM	91 A						
EPAMOULD 292 A 10 F 40 FSM	90 A						
EPAMOULD 292 A 81 WT F 40 FSM	92 A						Pigmented in white
EPAMOULD 292 A 81 W F 40 FSM	92 A						Pigmented in white
EPAMOULD 295 A 10 FSM	91 A						
EPALINE 378 A 51 20 FSM	78 A						
EPALINE 380 A 55 25 FSM	82 A						
EPALINE 384 A 55 12 FSM	85 A						
EPALINE 384 A 55 25 FSM	85 A						
EPALINE 386 A 55 20 FSM	87 A						
EPALINE 387 A 55 20 FSM	87 A						
EPALINE 390 A 55 25 FSM	89 A						
EPALINE 392 A 51 20 FSM	92 A						DP
EPALINE 394 A 51 P60C W FSM	92 A						Pigmented in white
EPALINE 394 A 51 P60 C FSM	92 A						
EPALINE 395 A 55 25 FSM	93 A						
EPALINE 350 D 55 25 FSM	50 D						
EPALINE 355 D 55 25 FSM	56 D						

Our present portfolio of polyether-based FSM products and a quick guide to their applications

EPA line



	 HARDNESS	 HOSES AND TUBES	 NSF 61	 TOOTHED BELTS	 PROFILES	 TECHNICAL PARTS	 NOTES
EPALINE 770 A 15 15 FSM	72 A	✱	✱			✱	
EPALINE 780 A 15 15 FSM	80 A	✱	✱			✱	
EPALINE 785 A 15 12 FSM	85 A	✱	✱			✱	
EPALINE 785 A 15 15 FSM	85 A	✱	✱	✱	✱	✱	
EPALINE 785 A 15 15 AU FSM	85 A	✱		✱	✱		UV protected
EPALINE 785 A 15 25 FSM	85 A	✱	✱			✱	
EPALINE 785 A 15 30 FSM	85 A	✱	✱			✱	
EPALINE 785 A 15 15 M FSM	87 A	✱	✱			✱	Matt surface
EPALINE 788 A 15 30 FSM	88 A	✱	✱			✱	
EPALINE 788 A 15 15 M FSM	88 A	✱					Matt surface
EPALINE 790 A 15 15 FSM	90 A	✱	✱		✱	✱	
EPALINE 795 A 15 15 FSM	93 A	✱		✱	✱		
EPALINE 745 D 15 15 FSM	44 D	✱			✱		
EPALINE 750 D 15 15 FSM	52 D	✱			✱		





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