



# Injection Molding

# EPAMOULD TPU

Made in Italy by

**EPAFLEX**   
POLYURETHANES

Epaflex was founded in 1991 in Cassolnovo (Italy) as a system house dedicated to manufacture and supply polyurethane systems to the footwear industry. Over the years Epaflex grew continuously and differentiated its activities, by adding production of TPU granules to serve a wide range of industries, and production of PU chemicals and systems for CASE applications.

Together with the mother company **Elachem**, located in Vigevano (Italy), Epaflex forms a powerful and sizeable integrated industrial group, with a state-of-the-art manufacturing plant of saturated polyester resins. This upstream integration provides Epaflex scale, control and flexibility to play a competitive role in the global TPU market.

Epaflex is proud to offer 6 tailored product families that have been specifically designed for the requirements of the targeted applications

**EPAMOULD**, for demanding injection molding applications

**EPALINE**, designed for technical extrusion applications

**EPACOL**, for producers of solvent-borne adhesives

**EPALITE**, to meet the requirements of fashion and footwear designers

**EPAMET**, to offer bio-based products with no compromises on performance

**PAKOFLEX**, for production of vegan leather via coagulation process

# Epamould

**EPAMOULD TPU** range is specifically designed to meet the performance requirements of customers who process TPU via injection molding technologies and includes products from 66 Shore A to 69 Shore D, articulated over 4 different product series:

**Epamould 100 series**

based on polyester chemistry, offers higher fluidity and superior UV resistance

**Epamould 200 series**

based on polyester chemistry, combines superior hydrolytic stability with excellent mechanical properties

**Epamould 600 series**

based on polyester chemistry, offers excellent mouldability

**Epamould 700 series**

based on polyether chemistry, offers premium hydrolytic stability and resistance to microbial attack



Epaflex proudly offers more than 30 different EPAMOULD grades.

A focused selection of the grades can be found in the tables below

| EPAMOULD | 260 A 56      | 265 A 56                  | 275 A 10    | 278 A 51 30   | 185 A 51      | 285 A 10                  | 295 A 10                  |
|----------|---------------|---------------------------|-------------|---------------|---------------|---------------------------|---------------------------|
| Hardness | 66A           | 69A                       | 75A         | 77A           | 85A           | 85A                       | 91A                       |
| Feature  | Very flexible | High hydrolytic stability | Plast. Free | High fluidity | High fluidity | High hydrolytic stability | High hydrolytic stability |

| EPAMOULD | 292 A 30           | 698 A 30           | 252 D 12                  | 650 D 30           | 655 D 30           | 260 D 12                  | 270 D 12             |
|----------|--------------------|--------------------|---------------------------|--------------------|--------------------|---------------------------|----------------------|
| Hardness | 92A                | 97A/46D            | 48D                       | 52D                | 54D                | 59D                       | 69D                  |
| Feature  | Shorter cycle time | Shorter cycle time | High hydrolytic stability | Shorter cycle time | Shorter cycle time | High hydrolytic stability | High mechanical prop |

| EPAMOULD | 745 D 15        | 745 D 35          | 752 D 35          | 755 D 35          | 756 D 15        | 765 D 15             |
|----------|-----------------|-------------------|-------------------|-------------------|-----------------|----------------------|
| Hardness | 41D             | 44D               | 50D               | 54D               | 55D             | 63D                  |
| Feature  | Easy processing | Super transparent | Super transparent | Super transparent | Easy processing | High mechanical prop |

Epaflex can supply the TPU for injection moulding you are looking for! Directly or via an extensive distribution network that ensures a capillary presence close to your facility.

Download our TPU brochure: 

Please do not hesitate to contact us at [epaflex@epaflex.it](mailto:epaflex@epaflex.it) or via our website [www.epaflexpolyurethanes.com](http://www.epaflexpolyurethanes.com)