



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 or via our website www.epaflexpolyurethanes.com