



# Injection Molding

# EPAMOULD TPU

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 continuously grew and differentiated its activity, by adding production of TPU granules to serve a wide range of industries, and production of PU chemicals for CASE applications.

Together with **Elachem**, located in Vigevano (Italy), Epaflex forms a powerful integrated industrial group which has recently built a very modern, fully automated, saturated polyesters manufacturing plant.

This upstream integration provides Epaflex scale, control and flexibility to play a competitive role in the global TPU market.

Epaflex is proud to offer 4 tailored product families to TPU users depending on their activity and application

**EPAMOULD**, designed for demanding injection molding applications

**EPALINE**, designed for technical extrusion applications

**EPACOL**, designed for production of solvent borne adhesives

**EPAMET**, designed to meet the requests for more sustainable products, contains above 60% of bio-based material

# 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 50 different EPAMOULD grades, whereas a focused selection of the EPAMOULD polyester based 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 mech 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.epaflex.it](http://www.epaflex.it)