

System for Sandwich Technology • eco-moulding •

Plasdan
Multi-Injection Technology Eco-Moulding

📍 WHO WE ARE

**Innovation is a place on earth
where you re-invent yourself**

**Plasdan was founded 30 years ago. The brand Plasdan
has been in the market ever since as a statement of:**

- **Innovation**
- **Productivity**
- **Sustainability**
- **Performance**

Innovation will always play a major role in the sustainability
and growth of our companies and the community as a whole.

 **OUR VISION**

**Advanced add on equipment
together with ingenious
moulding solutions
enable a more
sustainable world.**



Multi-injection

GLOBAL NETWORK

+20

Plasdan operates in more than
20 locations in the world

EXPERIENCE

+30

With more than 30 years of experience
in project engineering, multi-injection
and eco-moulding solutions.

KNOW-HOW

+1500

+1500 units produced
with high quality and performance

INNOVATION

+10

More than 10
registered patents



BUSINESS AREAS

Equipment



Rotary table



Injection Units



CO-INJECTION
HOTRUNNER



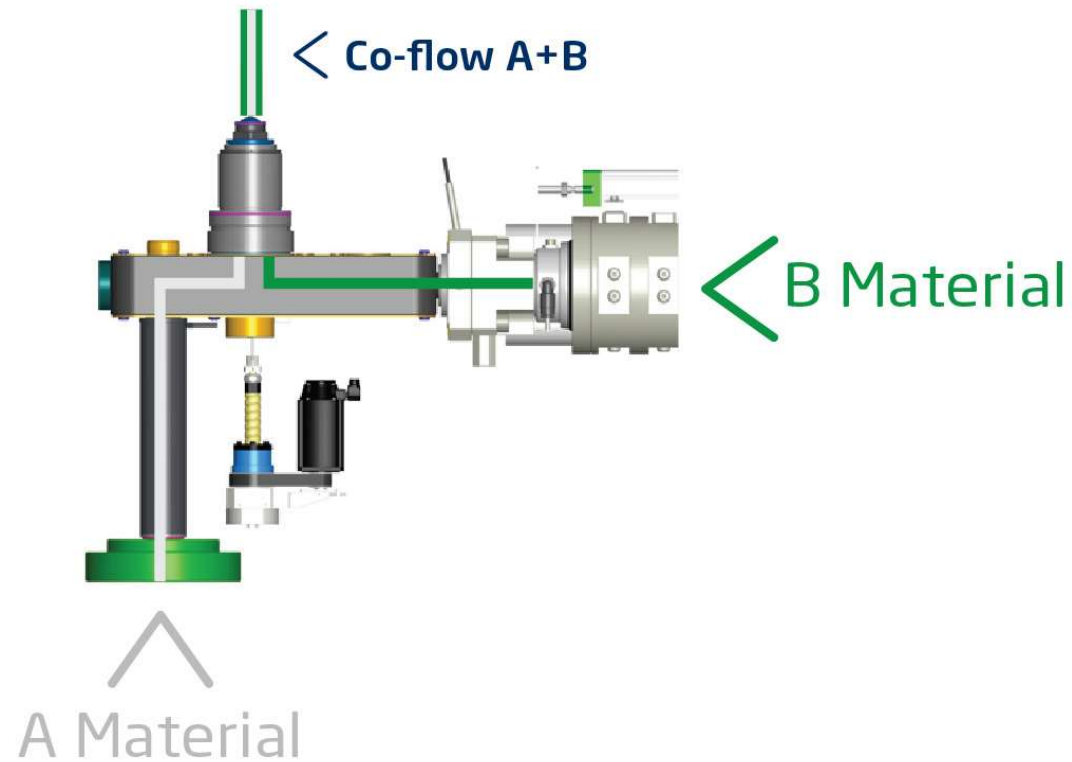
● Co-injection Concept

Make simultaneous flow (co-flow) of two different materials organized on a layers structure.



Hot runner for co-injection

Double channel hot runner

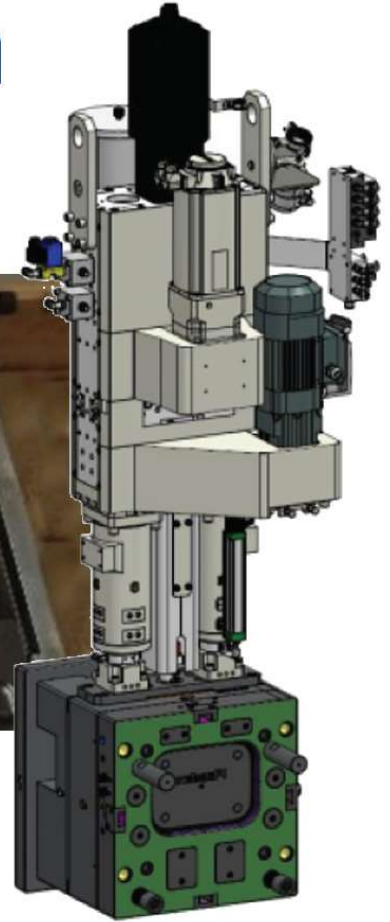


● Hot runner for co-injection



[0pg_CO_INJECAO_05_12_2019_4.mp4](#)

Hot runner for co-injection

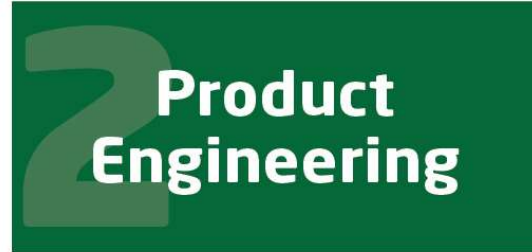


● **Co-injection for**



PCR incorporation.
(Post Consumer Recycled)

ESG policies.
(Environmental Social Governance)



Structural reinforcement.
Weight reduction.



Bio based materials.
Emissions reduction.

Possibilities

| OUTER MATERIAL | INNER MATERIAL | ADVANTAGES |
|-----------------------|----------------------------|-------------------|
| Virgin | Recycled | Compliance |
| Petro Based | Bio based | Green Image |
| Rubber Soft Touch | Hard structural reinforced | Engineering |
| Gloss | Foaming | Light Weight |
| PET | EVOH | Barrier |

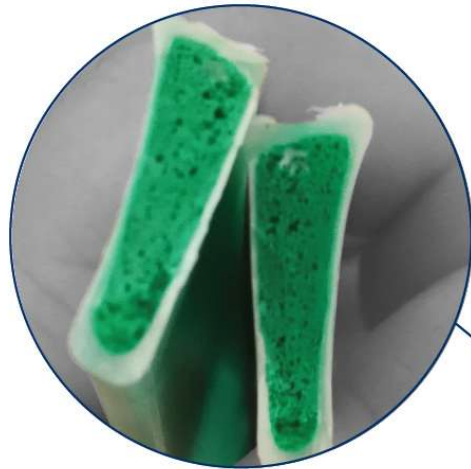
Co-injection with MuCell

WEIGHT REDUCTION

7,5MM TO 4,5 MM
THICKNESS PART

CORE WEIGHT
REDUCTION:

52%



CO-INJECTION



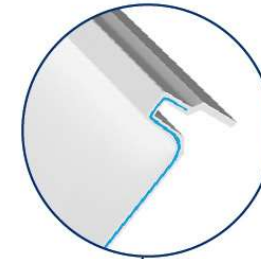
Co-injection

PCR INCORPORATION

PART THICKNESS: 1,2MM

PART WEIGHT: 52 G

BLUE INTERIOR WEIGHT: 16,50 G



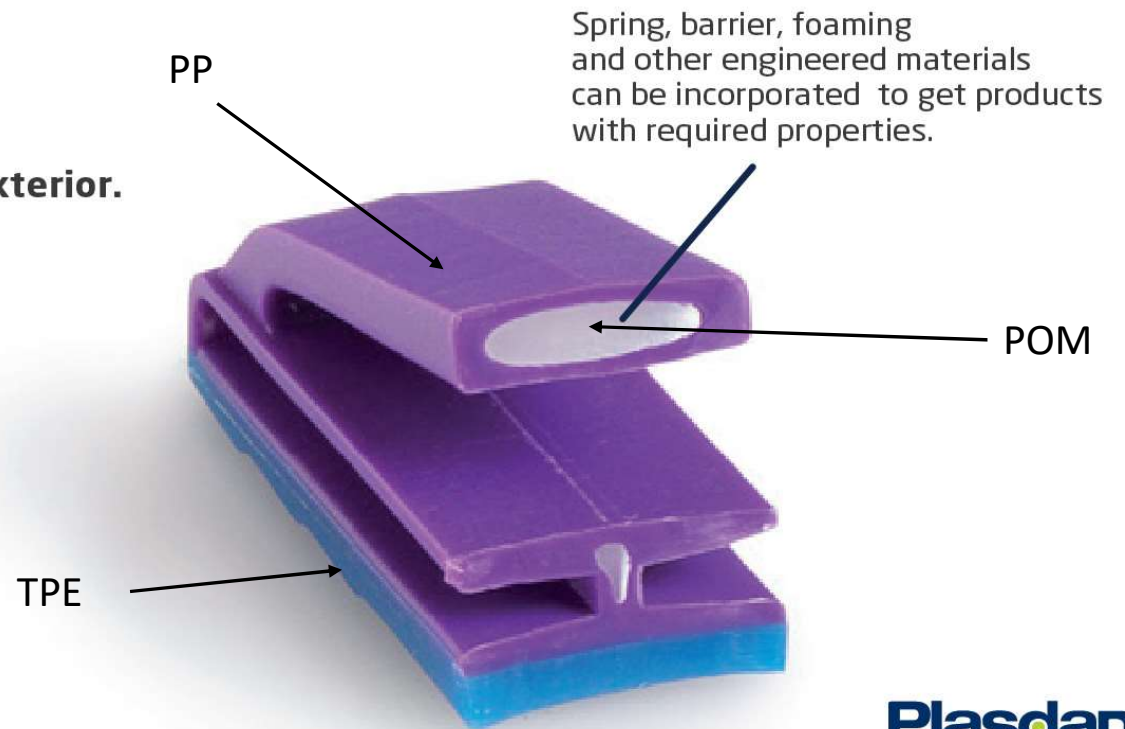
**% OF BLUE MATERIAL
INSIDE:** 31,7%



Co-injection

STRUCTURAL REINFORCEMENT

- Incorporate core with special mechanical properties unlike the exterior.
- Independent of imm make or age.
- Affordable.
- Reliable.



Q&A

www.plasdan.pt

Thank you for watching

Plasdan
Multi-Injection Technology Eco-Moulding