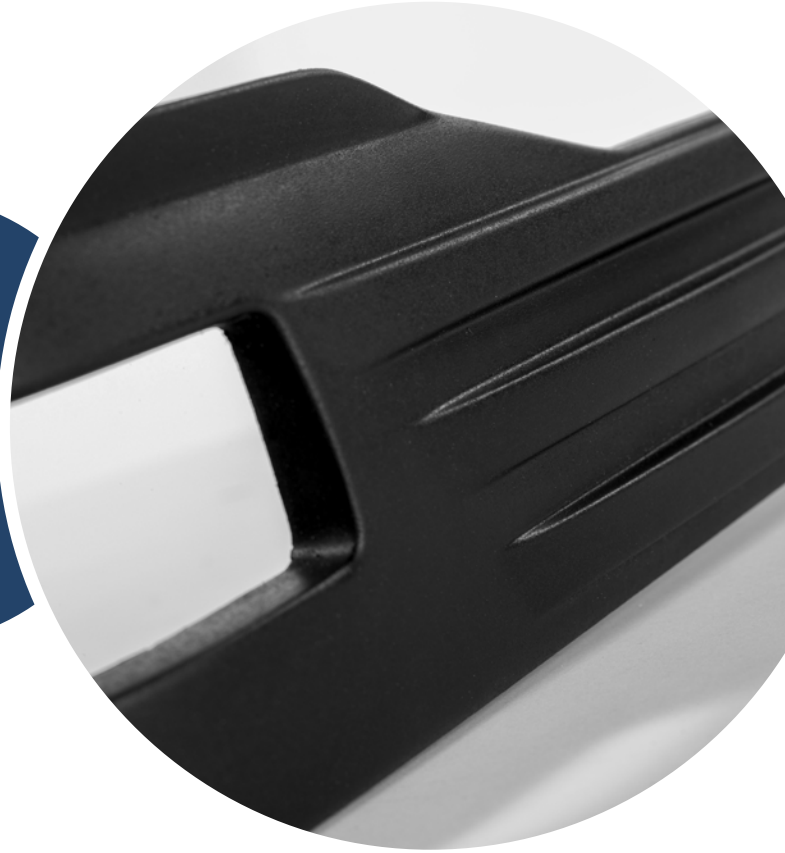
fasipol
POLYURETHANE MOULDING



R.I.M.
REACTION INJECTION MOLDING

HCFC-free polyurethane system (ODP = 0), used for manufacturing external and internal vehicle accessories, casings, and general industrial machinery components.

Technical Information

- High mechanical strength with medium-high flexural elastic modulus.
- Good heat resistance.
- Processable in variable thicknesses.
- Surface treatments:
  - » Excellent in-mould paintability;
  - » Excellent post-moulding paintability.
- Can be moulded into complex shapes.
- Possibility to embed inserts for fastening and/or reinforcement.
- Waste Classification: Special NON-HAZARDOUS.
- European Waste Code: 07.02.13

POLYURETHANE R.I.M.
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Typical Physical-Mechanical Properties of the Molded Product

Density	Kg/m^3	1100	DIN 53455
Tensile strength	Mpa	15	UNI EN ISO 527-2:2012
Elongation at break	%	70	UNI EN ISO 527-2:2012
Flexural elastic modulus	Mpa	430	UNI EN ISO 178:2011
Hardness	Shore D	60	DIN 53505
Tests were conducted on 4 mm plates. Values measured at room temperature.			

TÜV NORD Italia S.r.l. ISO 9001
Certified Company UNI EN ISO 9001:2023

Technical data sheet revised on 13/05/2025

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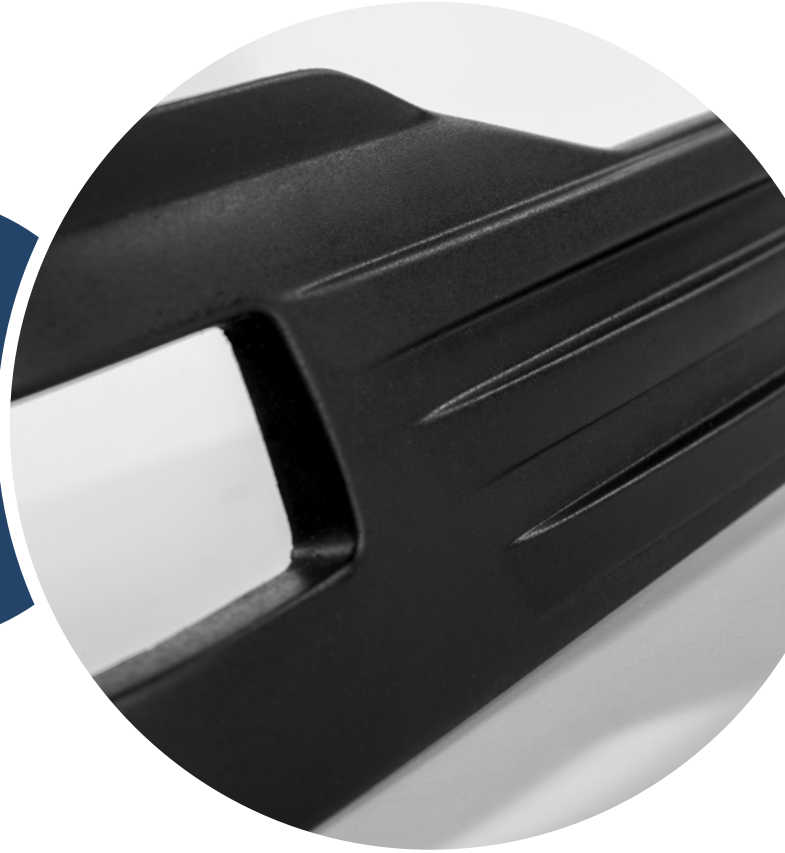

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Fire Behaviour

» Complies with: CSE RF4-83 Class 3 IM - UNI 9175

The flame spread or fire characteristic classification values are indicative only, do not constitute product specifications, and are based on tests conducted by our raw material supplier.

The classification is therefore subject to the performance of suitable tests at accredited laboratories authorized to issue certification at the customer's expense.

In-Mould Surface Treatment Characteristics

» In-mold treatment with water-based polyurethane paint, solvent-resistant.

» The paint is non-yellowing. UV resistance tested according to UNI ISO 4892-4582.

	Sample	Max. value
Tensile strength	5/6	8
Elongation at break	4/5 (black)	5

The blue wool scale indicates duration and intensity with levels 1-8 (8 = maximum).

Rating according to the grey scale: 5 = excellent, 1 = poor.