fasipol
POLYURETHANE MOULDING

POLYPROPYLENE

Lightweight, Chemical-Resistant Technical Polymer

MJF 3D PRINTING

WWW.FASIPOL.IT

Versatile and chemically stable material, ideal for applications requiring light weight, water resistance, and chemical resistance. Excellent for functional prototypes and industrial components.

Main Features

- Very light weight and good resilience
- High electrical insulation
- Low moisture absorption
- Good post-print machinability
- Excellent chemical and hydrocarbon resistance

Applications

- Tanks, pipes, and parts for fluid transport
- Excellent solution for critical and humid environments
- Automotive interior components and industrial machinery parts
- Components for medical devices and cosmetic packaging

Last revision 22/10/2024

Certified Company
UNI EN ISO
9001:2023

Technical Data

PROPERTY	VALUE	METHOD
Density	0.87 g/cm^3	ASTM D792
Tensile Strength	30 MPa	ASTM D638
Elongation at Break	20 %	ASTM D638
Elastic Modulus	1600 MPa	ASTM D638
Flexural Strength	22.8 MPa	ASTM D790
Resilience	29 kJ/m^2	ISO 179
Hardness	70 D Shore	ASTM D2240
HDT at 0.45 MPa	100 °C	ASTM D648
HDT at 1.8 MPa	60 °C	ASTM D648
Vicat Softening Temp.	90 °C	ISO 306
Melting Temperature	140 °C	ASTM D3418
Flammability	HB	UL94
Electrical Resistivity	10^{14} Ω·m	UL746A / ASTM D257

Printing Specifications

TECHNOLOGY:
HP Multi Jet Fusion

LAYER HEIGHT:
0.08 mm

MAX PART SIZE:
380 × 284 × 380 mm

TOLERANCES:
±0,60 mm < 100 mm / ±0,6% > 100 mm

Certifications

- RoHS
- REACH
- Not suitable for food contact (CE 1935/2004 – 10/2011)

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