

BAYDUR

MEDIUM AND HIGH-DENSITY PU

Rigid polyurethane system with medium/high density, versatile and technical, with variable molding thicknesses. Suitable for self-supporting components as a replacement for wood or metal. Free from CFC11 and HCFC, with ODP = 0.



Technical Information

- Rigid polyurethane system with medium/high density.
- Variable molding thicknesses.
- Self-supporting structure: ideal as a substitute for wood or metal parts.
- High aesthetic quality through painting.
- High design and functional versatility.
- Possibility of incorporating reinforcements and fastening points.
- Resistance to deformation up to 135 °C.
- Waste Classification: Special NON-HAZARDOUS
- European Waste Code: 07.02.13



Typical Physical-Mechanical Properties of the Molded Product

Properties	Unit	Value	TEST
Apparent density	g/l	600-650	
Flexural strength	MPa	34-37	DIN EN ISO 178
Flexural modulus	MPa	700-750	DIN EN ISO 178
Charpy impact strength (room temperature)	KJ/m ²	17-19	DIN EN ISO 179
Hardness at 23 °C	Shore D	68-70	DIN 53505
Heat distortion temperature B	°C	98-102	DIN EN ISO 75 (method B)

The test specimens used to determine the mechanical, thermal, and other properties were taken from a plate measuring 1000x500x10 mm.
The values reported are indicative and must be verified case by case on the finished parts.



Certified Company UNI EN ISO 9001:2023

Technical data sheet revised on 23/05/2025

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Fire Behavior

- » Possibility of achieving Class V0 - UL 94 with additive formulations.

Fire classification values are indicative only and do not constitute product specifications. Certification is the responsibility of the client through authorized laboratories.

In-Mold Surface Treatment Characteristics

- Aesthetic finish through painting.
- Compatible with inserts and fastenings.
- Versatile for complex shapes and advanced technical solutions.



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