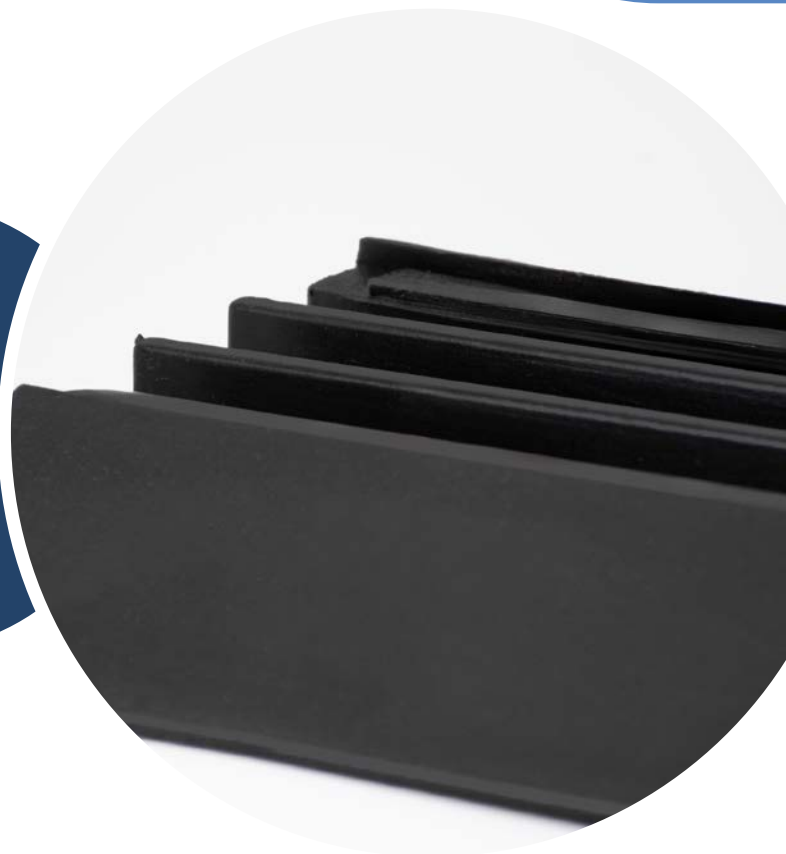


INTEGRAL 75/85

SEMI-RIGID POLYURETHANE

Integral skin semi-rigid polyurethane system, free from CFC11 and HCFC (ODP = 0), used for manufacturing technical furnishing components and parts for public and private transport vehicles.



Technical Information

- Low environmental impact system (ODP = 0).
- Molding density: 300–500 g/l.
- Hardness: 75–85 Shore A / 35–45 Shore D.
- Suitable for transport and technical furnishing applications.
- In-mold treatment with water-based polyurethane paint.
- Good abrasion and UV resistance.
- Allows embedding of fastening or reinforcement inserts.
- Recyclable at end of life (via grinding) for reuse in new items.
- Waste classification: Special NON-HAZARDOUS.
- European Waste Code: 07.02.13



Typical Physical-Mechanical Properties of Molded Part

| Property | Unit | Core | Skin | Overall | Test Method |
|--|--------------------|------|------|---------|-------------|
| Density | Kg/m ³ | 330 | 800 | 400 | |
| Tensile strength | Kg/cm ² | 24 | 95 | | DIN 53504 |
| Elongation at break | % | 170 | 180 | | DIN 53504 |
| Hardness at 23 °C | Shore A | | | 75-85 | ASTM D 2240 |
| Hardness at 23 °C | Shore D | | | 25-45 | ASTM D 2240 |
| Tests carried out on 4 mm plates. Values measured at room temperature. | | | | | |



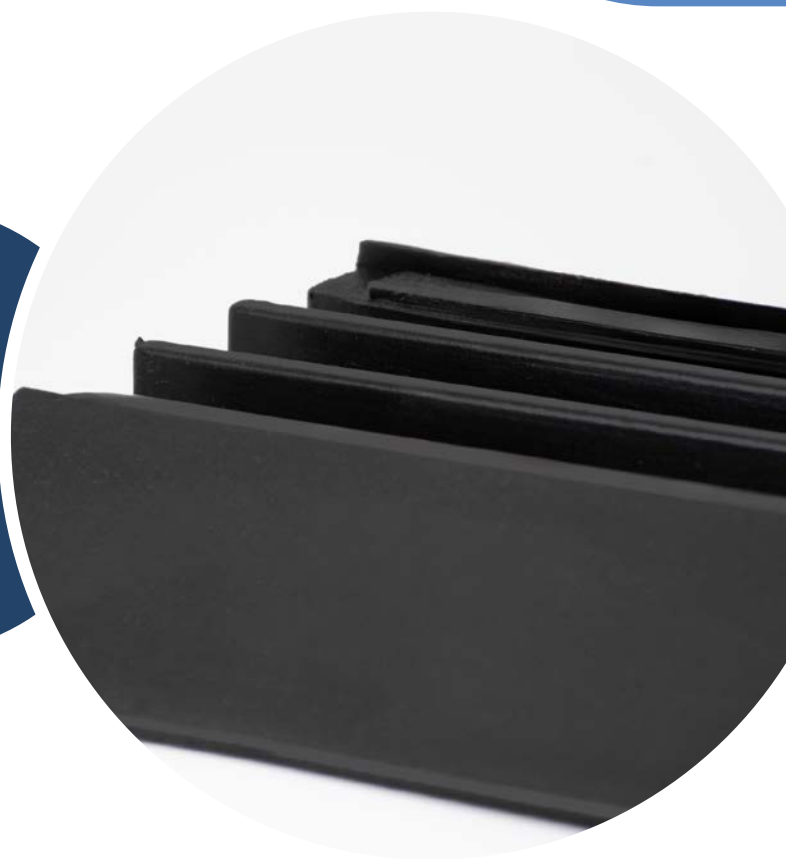
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Fire Behavior

Complies with:

- » CSE RF4-83 Class 1 IM – UNI 9175.
- » CEI 23-32 (electrical cable conduit standard).

Flame classification values are indicative only and do not constitute product specifications.

Certification must be obtained by the customer through authorized laboratories.

Surface Treatment Characteristics (In-Mold)

- In-mold treatment with water-based polyurethane paint.
- Coating features:
 - » Good abrasion resistance.
 - » Good UV resistance (UNI ISO 4892-4582).

| Scale Type | Sample Results | International Standards |
|------------|-----------------------------------|-------------------------|
| BLUE Scale | 5/6 for both colours | 1 to 8 |
| GREY Scale | 5 for black 4-5 for light grey | 1 to 5 |

BLUE scale: 1 = poor resistance, 8 = excellent resistance.

GREY scale: 1 = poor resistance, 5 = excellent resistance.



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