



P95-VI251

This TDS describes an approved Hydrolysis resistant casted polyurethane H-PU compound with good mechanical and chemical resistances. It is resistant to the most common used CIP-fluids. This compound is intended for production of static and dynamic gaskets.

HD SLIPPERS SRL certify that P95-VI251 meets the following approvals

- Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food
- Commission Regulation (EC) No 2023/2006 of 22 December 2006 on good manufacturing practice (GMP) for materials and articles intended to come into contact with food (Official Journal L 384)
- Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food
- The compound meets the specifications of the positive list to 21 CFR 177.1680 "Polyurethane resins" of the Food and Drug Administration (FDA), USA.
- 3-A Sanitary Standard Class II

**HD SLIPPERS SRL
legal representative**





P95-VI251

| PROPERTY | METHOD | UNITS | VALUE |
|-------------------------------|-----------|-------------------|------------|
| Color | | | Violet |
| Specific gravity | DIN 53479 | g/cm ³ | 1,16 ±0,03 |
| Hardness | DIN 53505 | Sh.A | 95 ±2 |
| Tensile strength | DIN 53504 | N/mm ² | ≥ 45 |
| Elongation | DIN 53504 | % | ≥ 300 |
| Modulus 100% | DIN 53504 | N/mm ² | ≥ 10 |
| Tear resistance | DIN 53515 | kN/m | ≥ 120 |
| Service temperature (min-max) | / | °C | -30/+115 |
| Compression set | | | |
| 25% - 24 hrs at 70 °C | DIN 53517 | % | ≤ 25 |
| 25% - 24 hrs at 100 °C | DIN 53517 | % | ≤ 40 |

CHEMICAL RESISTANCE GUIDELINE

| R = Resistant | | NR = Not Resistant | |
|-------------------------------|--------|------------------------|--------|
| Chemical group / Media | Rating | Chemical group / Media | Rating |
| Acids and Lyes (concentrated) | NR | Oxygen (cold) | R |
| Acids and Lyes (diluted) | R | Sea water | R |
| Alcohols (concentrated) | NR | Silicone Oils | R |
| CIP-fluids | R | Solvent | NR |
| HFA Fluid | R | Steam | NR |
| HFB Fluid | R | Vegetable Oils | R |
| HFD Fluid | NR | Water up to 90 °C | R |
| Mineral Oils | R | | |

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