

# MATERIAL SPECIFICATION DIN EN 10204 2.1

## LAURAMID INJECT® 970

Lauramid Inject® 970 is made out of clear Lauramid® re-granulate. The following values apply to the black colour batch.

| ATTRIBUTE  | TEST SPECIFICATION | VALUE         | UNIT   |
|--|--------------------|---------------|--------|
| Yield stress   | ISO 527            | 38 - 44       | Mpa    |
| Yield strain   | ISO 527            | 7 - 17        | %      |
| Break strength   | ISO 527            | n. B.         | Mpa    |
| Elongation at break  | ISO 527            | >200          | %      |
| Young ´s modulus   | ISO 527            | 1,250 - 1,650 | Mpa    |
| Vicat B-50   | ISO 306            | 143 - 151     | °C     |
| Shore D grade  | ISO 868            | 67 - 72       |        |
| HDT A  | ISO 75             | 116 - 123     | °C     |
| Flexural strain of elasticity  | ISO 178            | 1,250 - 1,800 | Mpa    |
| Flexural yield strength  | ISO 178            | 53 - 61       | Mpa    |
| Density  | ISO 1183           | 1.02-1.03     | kg/dm³ |
| Charpy impact strength 23 °C   | ISO 179            | 6 - 12        | kJ/m³  |
| Charpy impact strength -30 °C  | ISO 179            | 5 - 7         | kJ/m³  |
| n. B. = no break<br>test piece injection molded, air moisture conditions |                    |               |        |

**Lauramid Inject® 970** is characterized by its very low water absorption, a good hydrolysis constancy, a very good dimensional stability, mechanical and chemical resistance, excellent flow properties as well as a good impact strength also at low temperatures.

**Applications:** Roller and injection molded parts.

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