


CENTROLEN / PE-HD

| Product information | |
|------------------------|---------------------------|
| Trade name: | CENTROLEN |
| Abbreviation ISO 1043: | PE-HD |
| Designation: | Polyethylene High Density |
| Type of polymer: | Thermoplastic |
| Food compliance EU-VO: | Yes |
| Food compliance FDA: | Yes |
| Colour: | Natural, Black |

| Short description |
|---|
| <p>PE-HD is a semi-crystalline thermoplastic, which distinguishes itself through its high resistance to stress cracking and chemical stability. PE-HD is applicable within a temperature range of -75 to +120 °C. The plastic, belonging to the group of polyolefines, is water repellent and non-swelling. Due to its low density and excellent machinability, PE-HD is often used in the machinery and food industry. PE-HD is available in the colours natural and black, as well as in custom colours upon request.</p> |

| Properties | | |
|---|------------------------|-----------|
| ➤ Density: | 0.96 g/cm ³ | ISO 1183 |
| ➤ Tensile modulus of elasticity: | 1,000 MPa | ISO 527-2 |
| ➤ Specific surface resistance: | 10 ¹³ Ohm | IEC 60093 |
| ➤ Temperature for usage in air (max. short term): | 120 °C | |

| Field of use | Field of application |
|--------------------------|---------------------------------------|
| ➤ Automotive industry | ➤ Apparatus engineering |
| ➤ Electrical industry | ➤ Machines in the foodstuffs industry |
| ➤ Mechanical engineering | |
| ➤ Medical technology | |
| ➤ Plastics industry | |
| ➤ More industries | |

| Delivery program | |
|--|---------------------|
|  Rods | 10 – 350 mm |
| Stock lengths: | 1,000 mm 2,000 mm |
| Tolerance length: | 0% to +3% |
| <i>Additional dimensions available on request.</i> | |