

CENTROLEN / PE-UHMW

Product information	
Trade name:	CENTROLEN
Abbreviation ISO 1043:	PE-UHMW
Designation:	Ultra-high molecular weight Polyethylene
Type of polymer:	Thermoplastic
Food compliance BfR:	Yes
Food compliance FDA:	Yes
Colour:	Natural, Black

Short description
<p>The PE-UHMW (ultra high molecular weight) is polymerised with a modified Ziegler-Catalyst. The density is lowered and the sliding friction coefficient is improved. PE-UHMW distinguishes itself through its very high impact resistance and abrasion resistance. The BfR-/FDA approval assures physiological safety. Sliding guides or pump and wear parts are often manufactured from PE-UHMW.</p>

Properties		
➤ Density:	0.94 g/cm ³	ISO 1183
➤ Tensile modulus of elasticity:	800 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	➤ Glide strips
➤ Electrical industry	➤ Pump components
➤ Mechanical engineering	➤ Wearing parts
➤ Medical technology	
➤ Plastics industry	
➤ More industries	

Delivery program	
 Rods	20 – 150 mm
Stock lengths:	1,000 mm 2,000 mm
Tolerance length:	0% to +3%
<i>Additional dimensions available on request.</i>	