

Technical Data Sheet

PE 1000 regenerate black, finely ground

Ultra-high molecular weight polyethylene, regenerate (PE-UHMW / PE 1000 regenerate)

Typical Properties

- Very high wear and abrasion resistance
- Good sliding properties, permanent self-lubrication
- High impact strength, even at low temperatures
- Cost-effective alternative to virgin material

Typical Industries

- Construction & auxiliary parts
- General machinery engineering
- Conveyor technology (non-critical appearance)
- Water/hydraulic engineering

	Test Method	Unit	Value
General Properties			
Density	DIN EN ISO 1183-1	g / cm ³	< 0.96
Molecular weight	Light scattering	g / mol	> 5 · 10 ⁶
Mechanical Properties			
Shore hardness D	DIN EN ISO 868	scale D	61
Thermal Properties			
Short-term service temperature	–	°C	-200 ... +90
Long-term service temperature	–	°C	-200 ... +80
Electrical Properties			
Surface resistance	DIN EN 60093	Ω	≥ 10 ¹²

The values stated are guideline values based on the properties of virgin material of the same base type (PE 1000). Since regenerate materials are manufactured from reprocessed production residues, composition, appearance and properties may vary slightly from batch to batch. This information serves solely to inform about our products and does not constitute a legally binding guarantee of specific properties.