

AF777 Wear Improved PE-UHMWPE

AF777 is a developed UHMWPE material to offer improved wear resistance. The material incorporates Micro Glass Beads specifically to resist highly abrasive media.

- Extremely Wear resistant
- Extremely Abrasion resistant
- Good sliding properties
- Suitable for machining

Typical Physical properties

Property	Test Method	Value
Specific Gravity	ISO 1183	0.96 g/cm ³
Tensile Strength	DIN EN ISO 527	18 MPa
Elongation at Yield	DIN EN ISO 527	15%
Elongation at Break	DIN EN ISO 527	>50%
Shore Hardness	ISO 868	60
Water Absorption	Saturation 23 ^o C	<0.1%
Charpy Impact Strength - Unnotched	ISO 179-1/1eU	KJ/m ² – no break
Coefficient of Linear Thermal Expansion	m/(m.K)	200 X 10 ⁻⁶
Electric Strength	IEC 60243-1	45 kV/mm
Heat Deflection Temperature	D-648 Load 1.8 MPa	42 ^o C
Temperature Range		-150 ^o C to +120 ^o C

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All information is based on typical test results performed under specific conditions and limited sample size. This does not represent a legally binding guarantee of certain properties or the suitability for specific applications. All information is provided in good faith at time of print.

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Solutions and components in Fluoropolymer Plastics

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