

Technical Data Sheet

Robaseal® L

PE-UHMW / PE 1000

Typical characteristics

- Limited dry-running properties
- Good sliding properties

Typical industries

- Paper Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,25
Water absorption	DIN EN ISO 62	%	0,05
Coefficient of friction (against steel)	internal method: 2m/s; 1MPa	-	0,165
Mechanical properties			
Elongation at break	DIN EN ISO 527	%	5
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1.400
Tensile strength	DIN EN ISO 527	MPa	15
Shore hardness	DIN EN ISO 868 / 15 sec	scale D	65
Flexural Strength		MPa	24
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	-
Coefficient of linear thermal expansion	DIN 53752	10 ⁻⁶ / K	115
Service temperature, long term	Average	°C	100

The data given are standard values which are based on our experience & previous technical studies. These values are influenced by the design, processing conditions and environmental influences out of our control. The sustainability of the material for a given application is the responsibility of the user. Typing and printing errors reserved.

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

Print: 13/11/2025 • Release: 20/09/2023 • Version: 1.0
PIM-Version: 32 • PIM-ID: 709749 • PIM-Code: 32-25-12.223-8-4
Company-IDs: 21510

Page 1 / 1 (Dates in DD/MM/YYYY)

