

TECHNICAL DATA SHEET

UHMWPE (PE-1000)

Material code: UHMWPE

Extreme impact and abrasion resistance with a self-lubricating surface. Premium liner and wear material for mining and conveying.

COMPARATIVE PROPERTIES

Impact resistance		10/10
Chemical resistance		9/10
UV / weather resistance		6/10
Heat resistance		5/10
Machinability		5/10
Optical clarity		1/10

KEY FACTS

Max service temp	80 °C
Density	0.94 g/cm³
Weight class	Light
Cost tier	Premium
Food-safe grade available	Yes
Weldable	No

TYPICAL APPLICATIONS

- Chute liners
- Conveyor guides
- Mining components

This is a Technical Data Sheet, not a Safety Data Sheet (SDS). Property ratings are indicative comparative values for material selection only and are not guaranteed engineering figures — confirm critical properties against the manufacturer's data before design. For handling, storage and hazard information, refer to the manufacturer's SDS. Grades, colours and thicknesses vary; contact us to confirm suitability for your application.