ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

Datasheet AEPE1000



AEPE1000 has proven itself in the beverage and packaging industries. AEPE1000 is used in the manufacture of star conveyor devices, guide rollers and deflector rollers for bottling of labelling machines. Also used for bearing boxes, rubber strips, sliding rails/tables and screw conveyors etc. AEPE1000 has also good chemical resistance and has a high viscosity.

Application

Construction material for almost every type of industry

Material

Polyethyleen UHMW.

Availablity

	Value	Unit
Rod diameters	on request	
Tube inside diameter	on request	
Tube outside diameter	on request	
Length standard	on request	
Sheet thickness	6-200	mm
Sheet size	1000-6000	mm





The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.
ASEC Products 2022 ©.

ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

AEPE1000 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ISO 1183-1	0,96	g/cm³
Thermal conductivity		on request	
Specific heat capacity		on request	
Moisture absorption at 23°C, 50% RH		on request	
Water absorption at 23 °C	ISO 62	< 0,01	%
Flammability	UL 94	HB	[-]

Mechanical properties

	Test standard	Value	Unit
Yield stress		on request	
Elongation at break	ISO 527-2	>300	%
Modulus of elasticity in tension	ISO 527-2	>700	MPa
Bending modulus		on request	
Flexural strength		on request	
Charpy impact strength +23°C		on request	
Charpy notched impact strength +23°C		on request	
Ball indentation hardness	ISO 2039-1	>30	MPa
Compressive modulus		on request	

Thermal properties

	Test standard	Value	Unit
Min. working temperature		-200	°C
Max. working temperature		80	°C
Intermittent working temperature		90	°C
Heat distortion temperature		on request	
Melting temperature	ISO 11357	130-135	°C
Thermal coefficient of linear expansion		on request	

Friction properties

	Test standard	Value	Unit

Electrical properties

	Test standard	Value	Unit
Dielectric constant		on request	
Dielectric loss factor		on request	
Dielectric strength	IEC 60243	<45	kV/mm
Dielectric constant at 1MHZ		on request	
Volume resistivity		on request	
Surface resistivity	IEC 60093	> 10^{12}	Ω

The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.
ASEC Products 2022 ©.

Electrical properties

Resistance to tracking (CTI)		on request	

The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.
ASEC Products 2022 ©.