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

Datasheet AE250MO



AE250MO Is Nylon with Mos2 which offers an improved strength, rigidity and fraction ratio.

Application

Commen use in gears and sheaves

Material

Polyamide 6.6 wth Molydenum Disulphide.

Availablity

	Value	Unit
Rod diameters	on request	
Tube inside diameter	on request	
Tube outside diameter	on request	
Length standard	on request	
Sheet thickness	on request	
Sheet size	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 ©.

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

AE250MO - Specifications

Physical properties

	Test standard	Value	Unit
Density		1,15	g/cm³
Thermal conductivity	Method A	0,3	W/m°K
Specific heat capacity	IEC 1006	1,6	J/g.K
Moisture absorption at 23°C, 50% RH	ISO 62	2,8	%
Water absorption at 23 °C	ISO 62	8,5	%
Flammability	UL 94	HB	[-]

Mechanical properties

	Test standard	Value	Unit
Tensile strength	ISO 527	90	MPa
Hardness	ISO 868	82	SHORE-D
Yield stress		on request	
Elongation at break	ISO 527	31	%
Modulus of elasticity in tension	ISO 527	3400	MPa
Bending modulus		on request	
Flexural strength		on request	
Charpy impact strength +23°C	ISO 179/1eU	no break	kJ/m²
Charpy notched impact strength +23°C	ISO/1eA	7	kJ/m²
Ball indentation hardness	ISO 2039-1	160	N/mm²
Compressive modulus		on request	

Thermal properties

	Test standard	Value	Unit
Min. working temperature		-30	°C
Max. working temperature		90	°C
Intermittent working temperature		160	°C
Heat distortion temperature	Method A ISO 75	80	°C
Melting temperature	ISO 3146	255	°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		on request	
Dielectric constant at 1MHZ	IEC 250	3,3	[-]

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

Volume resistivity		on request	
Surface resistivity	IEC 93	10^{12}	Ω
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 ©.