ASEC



ENGINEERING PLASTICS PA AE-ZL250MO

SKU: AEZL250MO

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Categories: PA with additives, PA6.6 with additives

Features

- Improved strength.
- Improved rigidity.
- Improved friction ratio.
- Environmental friendly.
- Color Anthracite.

Application
Commen use in gears and sheaves.

Material
Polyamide 6,6 (PA6.6) with Mos2.

AEZL250MO Is Nylon with Mos2 which offers an improved strength, rigidity and fraction ratio.

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Availablity		Value	Unit
Rod diameters		On request	mm
Length standard		On request	mm
Sheet size		On request	mm
Sheet thickness		On request	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density		1.15	g/cm³
Food contact allowed		Low	
Wear Resistance		High	
Dimensional stability		Medium	
Mechanical properties	**Test standard**	**Value**	**Unit**
Tensile strength	ISO 527	90	MPa
Hardness	ISO 868	82	SHORE-D
Elongation at break	ISO 527	31	%
Modulus of elasticity in tension	ISO 527	3400	MPa
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
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-30	°C
Max. working temperature		90	°C
Inter. working temperature		160	°C
Heat distortion temperature	Method A ISO 75	80	°C
Melting temperature	ISO 3146	255	°C
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	[-]
Electrical properties	**Test standard**	**Value**	**Unit**
Dielectric constant at 1MHZ	IEC 250	3,3	[-]
Surface resistivity	IEC 93	10 12	Ω
Friction properties	**Test standard**	**Value**	**Unit**
Coefficient of friction		High	

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