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ENGINEERING PLASTICS POM AE-ZL900XT

SKU: AEZL900XT

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Categories: POM

Features

- Outstanding tribological properties.
- Reduce the "slip-stick" behavior.
- Parts can operate at higher speeds.
- Reduced wear.

Application
Bearings and moving parts where low friction and long wear life are important.

Material
POM with a solid lubricate.

AEZL900XT Can operate at a higher speed while exhibiting reduced wear, also the "slip-stick" behavior is reduced. This can be achieve by using a solid lubricate.

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Availablity		Value	Unit
Rod diameters		6-150	mm
Length standard		3000	mm
Sheet size		8-50	mm
Sheet thickness		1000x2000	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density		1,44	g/cm³
Food contact allowed		High	
Wear Resistance		High	
Dimensional stability		High	
Mechanical properties	**Test standard**	**Value**	**Unit**
Tensile strength	ISO 527	63	MPa
Hardness	ISO 868	80	SHORE-D
Elongation at break	ISO 527	22	%
Modulus of elasticity in tension	ISO 527	2800	MPa
Bending modulus	Flexural test	2200	MPa
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-40	°C
Max. working temperature		100	°C
Inter. working temperature		140	°C
Heat distortion temperature	Method A ISO 75	98	°C
Melting temperature	ISO 3146	165	°C
Moisture absorption at 23°C, 50% RH	ISO 62	0,2	%
Water absorption at 23 °C	ISO 62	0,6	%
Flammability	UL 94	HB	[-]
Electrical properties	**Test standard**	**Value**	**Unit**
Dielectric strength	IEC 243	33	KV/mm
Dielectric constant at 1MHZ	IEC 250	3,7	[-]
Volume resistivity	IEC 93	10 13	Ω.cm
Surface resistivity	IEC 93	10 13	Ω
Friction properties	**Test standard**	**Value**	**Unit**
Coefficient of friction dynamic		High	

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