ASEC



ENGINEERING PLASTICS PA AE-ZL250HVF

SKU: AEZL250HVF

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Categories: PA, PA6.6

Features

- High impact strength.
- Special suitable for recoil-free hammer heads.

Application
Particularly suitable for recoil-free hammer heads.

Material
Polyamide 6.6 High Impact.

AEZL250HVF is a high impact Nylon which maintained even at low temperatures. Is particularly suitable for recoil-free hammer heads.

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Availablity		Value	Unit
Rod diameters		10-100	mm
Tube inside diameter		On request	mm
Tube outside diameter		On request	mm
Length standard		On request	mm
Sheet size		610x3000	mm
Sheet thickness		8-60	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density		1.09	g/cm³
Food contact allowed		High	
Wear Resistance		High	
Dimensional stability		Medium	
Mechanical properties	**Test standard**	**Value**	**Unit**
Hardness	ISO 868	80	SHORE-D
Yield stress	ISO 527	60	MPa
Elongation at break	ISO 527	32	%
Modulus of elasticity in tension	ISO 527	2000	MPa
Bending modulus	Flexural test	2300	MPa
Flexural strength	ISO 178	110	MPa
Charpy impact strength +23°C	ISO 179/1eU	no break	kJ/m²
Charpy notched impact strength +23°C	ISO/1eA	80	kJ/m²
Ball indentation hardness	ISO 2039-1	165	N/mm²
Compressive modulus	ISO 604	2800	MPa
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	70	°C
Melting temperature	ISO 3146	263	°C
Glass transition temperature	ISO 3146	60	°C
Thermal coefficient of linear expansion	DIN 53752	10	1/K.10-5
Moisture absorption at 23°C. 50% RH	ISO 62	2.2	%
Water absorption at 23 °C	ISO 62	7	%
Friction properties	**Test standard**	**Value**	**Unit**
Coefficient of friction		High	
Electrical properties	**Test standard**	**Value**	**Unit**
Dielectric strength	IEC 243	27	KV/mm
Dielectric constant at 1MHZ	IEC 250	2.9	[-]
Volume resistivity	IEC 93	10 14	Ω.cm
Surface resistivity	IEC 93	10 14	Ω
Resistance to tracking (CTI)	DIN EN 60112	600	[-]
Dissipation factor 1 MHz	IEC 250	0.03	[-]

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