ASEC



ENGINEERING PLASTICS PE AEPE-1000

SKU: AEPE1000

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Categories: PE

Features

- Self-lubricating effect.
- Approved for food contact .
- High abrasion resistance.
- Low friction coefficient.
- Very high notched impact strength.

Application
Construction material for almost every type of industry

Material
Polyethyleen (PE)

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.

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Availablity		Value	Unit
Rod diameters		on request	
Length standard		on request	
Sheet size		1000-6000	mm
Sheet thickness		6-200	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density	ISO 1183-1	0,96	g/cm³
Mechanical properties	**Test standard**	**Value**	**Unit**
Elongation at break	ISO 527-2	>300	%
Modulus of elasticity in tension	ISO 527-2	>700	MPa
Ball indentation hardness	ISO 2039-1	>30	MPa
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-200	°C
Max. working temperature		80	°C
Inter. working temperature		90	°C
Melting temperature	ISO 11357	130-135	°C
Water absorption at 23 °C	ISO 62	< 0,01	%
Flammability	UL 94	HB	[-]
Electrical properties	**Test standard**	**Value**	**Unit**
Dielectric strength	IEC 60243	<45	kV/mm
Surface resistivity	IEC 93	10 12	Ω
Friction properties	**Test standard**	**Value**	**Unit**

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