ASEC



ENGINEERING PLASTICS PE AEPE-500

SKU: AEPE500

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Categories: PE

Features

- Approved for food contact.
- Odorless.
- Tasteless.
- Good sliding coefficient.
- Good abrasion resistance.

Application
Food industry, packaging and material handling, mechanical and plant engineering

Material
Polyethyleen (PE)

AEPE500 Is manufactured in sintering presses using high-molecular-weight raw materials. It's used in a wide variety of shapes and colors in various industries. In addition to its good sliding characteristics, its good abrasion resistance is helpful in many different applications.

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Availablity		Value	Unit
Rod diameters		on request	
Length standard		on request	
Sheet size		2000-6000x1000-2500	mm
Sheet thickness		6-200	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density	ISO 1183-1	0,96	g/cm³
Thermal conductivity	DIN 52612	0,4	W/m°K
Mechanical properties	**Test standard**	**Value**	**Unit**
Hardness	ISO 868	63-65	SHORE-D
Elongation at break	ISO 527-2	>500	%
Modulus of elasticity in tension	ISO 527-2	>800	MPa
Ball indentation hardness	ISO 2039-1	>35	MPa
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-100	°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 60093	< 10 12	Ω

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