

Polietileno PE-1000

PROPIERTIES	TEST METHOD	UNIT	VALUE
GENERAL			
Density	DIN EN ISO 1183-1	gkms	93
Water Absorption	DIN EN ISO 62		<0,01
MECHANICAL			
Yield stress / Tensile Strength	DIN EN ISO 527-1	N/mm ²	19
Tensile modulus of elasticity	DIN EN ISO 527-1	MPA	760
Elongation at break	DIN EN ISO 527-1	%	200
Impact strength Kj/m ²	DIN EN ISO 179		no break
Shore hardness	DIN EN ISO 868		60
THERMAL			
Melting temperature	ISO 11357-3		135
Specific thermal capacity	DIN ISO 52612	J / (kg · K)	1,9
Thermal conductivity	DIN ISO 52612-1	W (mK)	0,4
Coefficient of linear thermal expansion	DIN ISO 53752	1/K 10	150...230
Temperature Range °C short term		°C	120
Temperature Range °C long term (max)		°C	- 220+80
Heat deflection temperature	DIN EN ISO 306 VICAT A	°C	42
	DIN EN ISO 306 VICAT B	°C	80

ELECTRICAL			
Dielectric constant	IEC 60250		2,1
Surface resistivity	IEC 60093	Ω	>10 ¹⁴
Dielectric strength	IEC 60243	KV/mm	45
Comparative tracking index	IEC 60112		600