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Item	test	unit	HDPE
	method		
color			white
porportion	1183	g/cm ³	0.96
heat endurance(continuous)		°C	90
heat endurance(short time)		°C	110
melting point		°C	120
glass transition temperature		°C	
coefficient of linear thermal expansion(23--100°C average value)		m/(m.k)	155×10 ⁻⁶
—(23-150°C average value)		m/(m.k)	
combustibility(UL94)	4589		HB
water absorption(in 23°C water for 24hours)	62	%	
negative(suck in 23°C water)	62	%	0.01
bending tensile stress/tensile stress of broken	527	MPa	30
breaking tensile strain	527	%	
tensilbe modulus of elasticity	527	MPa	900
negative 1%/2%compressive stress of nomal strain	604	MPa	3/-
pendulum impact test	179/1eU	kJ/m ²	
friction coefficient			0.3
luo's hardness	Jan/39	-	62
resistance strength	60243	kv/mm	>50
volume resistance	-60093	Ω×cm	≥10 ¹⁵
surface resistance	-60093	Ω	≥10 ¹⁶
relative permittivity-100Hz/1MHz	-60250	-	2.4/-
arc path index(CTI)	-60112	-	
bonding property			0
food contact			+
acid resistance			+
alkali resistance			+
carbonated water resistance property			+
aromatic compounds of aromatic compounds			0
resistance to ketones			+
item	test	unit	PE
	method		

remarks:+ and 0 mean depending on situation.- is not.

