



OBLICOS - 96 LTD

Инженерни пластмасови продукти. Екструдирани и лети инженерни
Пластмаси

Technical data sheet PVC

Properties	Unit	Test method DIN EN ISO/ASTM	Value
Mechanical			
Density	g/cm ³	527/D792	1.44
Tensile strength at yield	MPa	527/D638	58
Tensile strength at break	MPa	527/D638	
Elongation at break	%	527/D638	15
Modulus of elasticity in tension	MPa	527/D638	3000
Modulus of elasticity in flexure	MPa	178/D790	
Ball indentation hardness	MPa	2039/1	82
Impact strength	kJ/m ²	179/D256	No br.
Creep rupture strength after 1000 hrs with static load	MPa		
Time yield limit for 1% elongation after 1000 hrs	MPa		0.60
Coefficient of friction against hardened and ground steel $\rho=0.05 \text{ N/mm}^2, v=0.6 \text{ m/s}$	-----		
Wear conditions as above	um/km		
Thermal			
Crystalline melting point	°C	DIN 53 736	
Glass transition temperature	°C	DIN 53 736	70
Heat distorsion temperature	°C	R 75	
Max. service temperature	°C		60
Coefficient of thermal conductivity	W/(m.K)		0.159
Specific heat	J/(g.K)		1.70 - 2
Coefficient of thermal expansion	10 ⁻⁵ /K	DIN 53 483/D696	8
Electrical			
Dielectric constant at 10 ⁵ Hz		DIN 53 483	
Dielectric loss factor at 10 ⁵ Hz		DIN 53 483	
Specific volume resistance	Ω.cm	DIN 60 093	10 ¹³
Surface resistance	Ω	DIN 60 093	

Dielectric strength 1mm	kV/mm	ASTM 149	39
Tracking resistance		53 480	
Others			
Moisture absorption (standard)	%	62	
Water absorption at saturation 23°C	%	62	
Resistance to hot water, washing soda			
Flammability		DIN 4102	B1
Resistance to weathering			Resistant in colour