



U-PVC Extruded Tube - Transparent

Bay Plastics Datasheet

Property	Test	Unit	Value
Specific gravity	ISO 1183	g/cm ³	1.36
Water absorption	ISO 62	%	0.2
Chemical resistance	-	-	DIN 8061
Maximum permissible service temperature (no stronger mechanical stress involved)	-	-	-
Upper temperature limit	-	°C	60
Lower temperature limit	-	°C	15
Tensile strength at yield	ISO 527	MPa	55
Elongation at yield	ISO 527	%	3
Tensile strength at break	ISO 527	MPa	30
Elongation at break	ISO 527	%	>10
Impact strength	ISO 179	kJ/m ²	No break
Notch impact strength	ISO 179	kJ/ m ²	3
Ball indentation/Rockwell hardness	ISO 20391	MPa	120
Shore D	DIN 53505	-	82
Flexural strength	ISO 178	MPa	90
Modulus of elasticity	ISO 527	MPa	3000
Vicat softening point VST/B/50	ISO 306	°C	75 ¹
VST/A/50	-	°C	-
Heat deflection temperature HDT/B	-	°C	72 ₂
HDT/A	-	°C	-
Coefficient of linear thermal expansion	DIN 53752	K ¹ *10 ⁴	0.8
Thermal conductivity at 20°C	-	W/(m*K)	0.14
Volume resistivity	VDE 0303	Ω*cm	>10 ¹⁵
Surface resistivity	-	Ω	≥10 ¹³
Dielectric constant at 1MHz	-	-	3
Dielectric loss factor at 1MHz	DIN 53483	-	0.01
Dielectric strength	VDE 0303	kV/mm	20 – 40
Tracking resistance	IEC 60112	-	KB 600
Bond ability	-	-	+
Friction coefficient	DIN 53375	-	0.6
Flammability	UL 94	-	V0
UV stabilisation	-	-	Fair