

U-PVC Tube Extruded

Technical Sheet

Transparent



	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 temp. (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
ShoreD	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	ISO75	°C	72 ₂₎
HDT/A	-	°C	-
Coefficient of linear thermal expansion	DIN 53752	K ₁ *10 ₄	0,8

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Thermal conductivity at 20 °C		W/(m*K)	0,14
Volume resistivity	VDE 0303	Ω *cm	$>10^{15}$
Surface resistivity	-	Ω	$\geq 10^{13}$
Dielectric constant at 1MHz	-	-	3
Dielectric loss factor at 1 MHz	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

All The above information is for guide purposes only. The data has been taken from standard test results provided by manufactures.