

ROLEC Gehäuse-Systeme GmbH

Technical data of polyester material HUP 171/28 RB-7032 UL V0/3,5mm

Mechanical, thermal and electric characteristics

Characteristics	Testing conditions	Dimensional units	Testing regulations Standards	Value
Mechanical characteristics				
Tensile strength		N/mm ²	EN 61	55
Impact resistance		kJ/m ²	DIN 53453	50
Young's modulus obtained from bending test		N/mm ²	EN 63	10000
Flexural strength		N/mm ²	EN 63	160
Compression strength		N/mm ²	DIN 53454	150
Thermal characteristics				
Form stability under heat		°C	ISO 75a	> 200
Behaviour under incandescent rod procedure		Step	DIN 53459	2a
Resistance against flames		Step	UL 94	V0 /3,5mm
Fire shaft test		Step	KV/cm	S4 /4,0mm
Electric characteristics				
Specific volume resistance		Ω/cm	DIN 53482	10 ¹⁴
Surface resistance		Comp. No.	DIN 53482	13
Tracking (comparative number)		Step	IEC 112	CTI 600
Dielectric strength		kV/cm	DIN 53481	240
Dielectric constant at 1000 Hz			DIN 53483	4,5
Dielectric loss factor at 1000 Hz		tan s	DIN 53483	0,02
Creep resistance		Step	DIN 53480	CTI 600

