

## Technical information sheet **UPV**

### 1. Physical properties

Specifications	Test method	unit	amount
1. Density	1.04	g/cm	ISO 11183
2. Absorption b	0.2	%	ISO 62
3. Chemical resistance	DIN 8061		-
4. The maximum temperature allowed for the test (without the intervention of stronger mechanical pressure)	-	-	-
5. Temperature range with Ia	60	°C	-

### 2. Mechanical characteristics

1. Tensile strength in performance	ISO 527	MPa	55
2. Tension in performance	ISO 527	%	3
3. Tensile strength at failure point	ISO 527	MPa	30
4. Tensile at failure point	ISO 527	%	10 >
5. Impact resistance e	ISO 179	KJ/m <sup>2</sup>	No break
6. Shock resistance f	ISO 179	KJ/m <sup>2</sup>	3
7. Bullet indentation/rock hardness L	ISO 2039 1	MPa	120
8. candle D	DIN 53505		82
9. Bending strength	ISO 178	MPa	90
10. Modulus of elasticity e	ISO 527	MPa	3000

### 3. Thermal senses

1. Vicat softening point VST/B/5	ISO 306	°C	)157
VST/A/50	ISO 306	°C	-
2. Bending heat temperature HDT / B	ISO 75	°C	)227
HDT/A	ISO 75	°C	-
3. Coefficient of thermal expansion of the line	DIN 53752	K-1×10-4	0.8
4. Thermal conductivity at 20°C	DIN 53752	W/(m×k)	0.14

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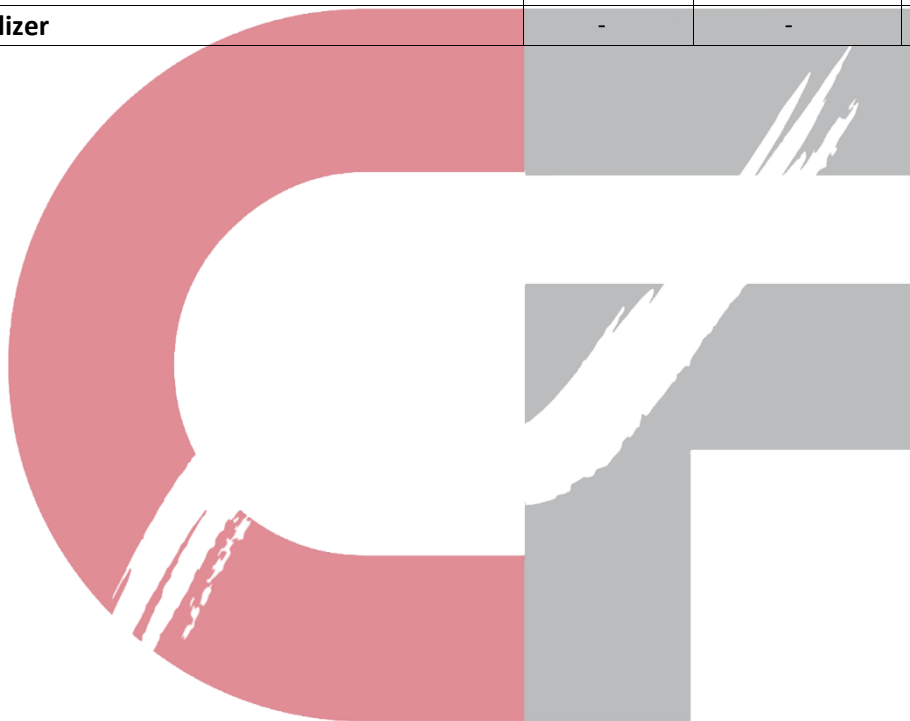


## 4. Electrical senses

1. Hajj resistance m	VDE 0303	$\Omega \times \text{CM}$	>1015
2. Level resistance h	-	$\Omega$	$\geq 1013$
3. Dielectric constant in MHz 1	-	-	3
4 Dielectric loss factor in MHz 1	DIN 53483	-	0.01
5. Dielectric strength k	VDE 0303	kV/mm	20-40
6. Strength of creep flow	IEC 60112	-	KB 600

## 5. Additional data

1. Sticking	-	-	+
2. Coefficient K	DIN 53375	-	0.6
3. Ishta'a l	UL 94	-	V-0
4. UV stabilizer	-	-	Fair



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