

**I. Physical Properties**

	<b>Test method</b>	<b>Unit</b>	<b>Value</b>
1. Specific gravity	ISO 1183	g/cm <sup>3</sup>	1,78
2. Water absorption	ISO 62	%	<= 0,04
3. Maximum permissible service temp. (no stronger mechanical stress involved)	-		-
Upper temperature limit	-	°C	150
Lower temperature limit	-	°C	-30

**II. Mechanical Properties**

	<b>Test method</b>	<b>Unit</b>	<b>Value</b>
1. Tensile strength at yield	ISO 527	MPa	50
2. Elongation at yield.	ISO 527	%	9
3. Tensile strength at break	ISO 527	MPa	-
4. Elongation at break	ISO 527	%	> 50
5. Impact strength	ISO 179	kJ/m <sup>2</sup>	252
6. Notch impact strength	ISO 179	kJ/m <sup>2</sup>	22
7. Ball indentation / Rockwell hardness	ISO 2039-1	MPa	80 / -
8. Shore-D	DIN 53505		78
9. Flexural strength	ISO 178	MPa	80
10. Modulus of elasticity	ISO 527	MPa	2000

**III. Thermal Properties**

	<b>Test method</b>	<b>Unit</b>	<b>Value</b>
1. Vicat-softening point	VST/B/50	°C	138
	VST/A/50	°C	160
2. Heat deflection temperature	HDT/B	ISO 75	145
	HDT/A	°C	104
3. Coefficient of linear thermal expansion	DIN 53752	K <sup>-1</sup> *10 <sup>-4</sup>	1,5
4. Thermal conductivity at 20 °C		W/(m*K)	0,13

**IV. Electrical Properties**

	<b>Test method</b>	<b>Unit</b>	<b>Value</b>
1. Volume resistivity	VDE 0303	Ω*cm	>= 10 <sup>10</sup>
2. Surface resistivity		Ω	>= 10 <sup>13</sup>
3. Dielectric constant at 1MHz		-	7
4. Dielectric loss factor at 1 MHz	DIN 53483	-	0,24
5. Dielectric strength	VDE 0303	kV/mm	27
6. Tracking resistance	IEC 60112	-	CTI 600

**V. Additional Data**

	<b>Test method</b>	<b>Unit</b>	<b>Value</b>
1. Bond ability		-	fair
2. Friction coefficient	DIN 53375	-	0,34
3. Flammability	UL 94	-	HB
4. UV stabilisation	-	-	+

All values are attributes of the used raw materials.

The physical data contained in this table are typical values. They are obtained on test specimens under specific conditions and represent average values of a large number of tests. The results obtained on this tests specimens cannot be applied to finished parts without reservations, as behaviour is influenced by processing and shaping. Reproduction only with our definite permission.

Subject to change without notice.

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