



### I. Physical Properties

	Test method	Unit	Value
1. Specific gravity ( $\rho$ )	ISO 1183	g/cm <sup>3</sup>	1,04
2. Water absorption	ISO 62	%	0,4
3. Maximum permissible service temp (no stronger mechanical stress involved)	-	-	-
Upper temperature limit	-	°C	70
Lower temperature limit	-	°C	-50

### II. Mechanical Properties

	Test method	Unit	Value
1. Tensile strength at yield	ISO 527	MPa	45
2. Elongation at yield. ( $\epsilon_S$ )	ISO 527	%	-
3. Tensile strength at break ( $\sigma_R$ )	ISO 527	MPa	-
4. Elongation at break ( $\epsilon_R$ )	ISO 527	%	-
5. Impact strength ( $a_n$ )	ISO 179	kJ/m <sup>2</sup>	333
6. Notch impact strength ( $a_k$ )	ISO 179	kJ/m <sup>2</sup>	37
7. Ball indentation / Rockwell hardness	ISO 2039-1	MPa	R 105
8. Shore-D	DIN 53505		70
9. Flexural strength ( $\sigma_{B, 3.5\%}$ )	ISO 178	MPa	67
10. Modulus of elasticity ( $E_t$ )	ISO 527	MPa	2260

### III. Thermal Properties

		Test method	Unit	Value
1. Vicat-softening point	VST/B/50	ISO 306	°C	103
	VST/A/50	ISO 306	°C	-
2. Heat deflection temperature	HDT/B	ISO 75	°C	100
	HDT/A	ISO 75	°C	88
3. Coefficient of linear thermal expansion $\alpha$		DIN 53752	K <sup>-1</sup> *10 <sup>-4</sup>	-
4. Thermal conductivity at 20 °C ( $\lambda$ )		DIN 52612	W/(m*K)	-

### IV. Electrical Properties

	Test method	Unit	Value
1. Volume resistivity	VDE 0303	$\Omega$ *cm	-
2. Surface resistivity ( $R_{\sigma}$ )	VDE 0303	$\Omega$	-
3. Dielectric constant at 1MHz ( $\epsilon_r$ )	DIN 53483	-	-
4. Dielectric loss factor at 1 MHz ( $\tan\delta$ )	DIN 53483	-	-
5. Dielectric strength	VDE 0303	kV/mm	-
6. Tracking resistance	IEC 60112	-	-

### V. Additional Data

	Test method	Unit	Value
1. Bond ability	-	-	+
2. Friction coefficient	DIN 53375	-	-
3. Flammability	UL 94	-	HB
4. UV stabilisation	-	-	-

All values are attributes of the used raw materials.

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