



PROPERTY	UNIT	VALUE	STANDARD	VARIABLE
<b>General</b>				
Density	g/cm <sup>3</sup>	1,2	ISO 1183	
Moisture absorption	%	0,15	ISO 62	24 h @ 23 °C, 50% RH
<b>Mechanical</b>				
Tensile strength at yield (at break)	N/mm <sup>2</sup>	60 (70)	ISO 527	
Elongation at yield (at break)	%	6 (110)	ISO 527	
Elastic modulus	N/mm <sup>2</sup>	>2300	ISO 527	
Flexural modulus	N/mm <sup>2</sup>	>2300	ISO 178	
Charpy unnotched impact strength	kJ/m <sup>2</sup>	No Breakage	ISO 179/1eU	-40 °C
Charpy notched impact strength	kJ/m <sup>2</sup>	11	ISO 179/1eA	-30 °C
Izod notched impact strength	kJ/m <sup>2</sup>	65	ISO 180/1A	23 °C
Izod notched impact strength	kJ/m <sup>2</sup>	10	ISO 180/1A	-30 °C
<b>Optical</b>				
Refractive index		1,586	ISO 489	20 °C
Light transmission	%	88	clear	
Light transmission	%	44	white opal 2 mm	
Light transmission	%	35	white opal 3 mm	
Light transmission	%	27	white opal 4 mm	
Light transmission	%	22	white opal 5 mm	
Light transmission	%	62	tinted grey 3 mm	
Light transmission	%	48	tinted grey 5 mm	
Light transmission	%	30	tinted grey 8 mm	
Light transmission	%	50	tinted brown 3 mm	
Light transmission	%	32	tinted brown 5 mm	
Light transmission	%	18	tinted brown 8 mm	
<b>Thermal</b>				
Linear coefficient of thermal expansion	K <sup>-1</sup>	65*10 <sup>-6</sup>	ISO 11359-2	20 - 70 °C
Heat deflection temperature, HDT A	°C	132	ISO 75	1,80 MPa



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<b>Thermal</b>				
Heat deflection temperature, HDT B	°C	142	ISO 75	0,45 MPa
Vicat temperature VST/B 120	°C	149	ISO 306	
Vicat temperature VST/B 50	°C	148	ISO 306	
Thermal conductivity	W/(m*K)	0,20	ISO 8302	
<b>Electrical</b>				
Volume resistivity	$\Omega$ *m	$>10^{14}$	IEC 60093	dry
Surface resistivity	$\Omega$	$10^{16}$	IEC 60093	dry
Dielectric strength	kV/mm	30	IEC 60243	dry
Dielectric constant		3	IEC 60250	dry 50 MHz
Dielectric constant		2,9	IEC 60250	dry 1 MHz
Dissipation factor (tan $\delta$ )		0,001	IEC 60250	dry 50 Hz
Dissipation factor (tan $\delta$ )		0,01	IEC 60250	dry 1 Mhz
<b>Fire classification</b>				
Fire rating EU		B-s1, d0	EN 13501-1	$0,75 \leq t \leq 6$ mm