

	Test Conditions	Typical Values	Unit	Test Method
<b>Physical</b>				
Density		1.27	g/cm <sup>3</sup>	ISO1183-1
Moisture absorption	aft storage in standard climate 23°C/50% r.F.	0.2	%	ISO 62-4
	aft storage in water at 23°C until saturation	0.6	%	ISO 62-1
Refractive index	20°C	1.567	-	ISO 489
Transmittance	1mm	91	%	ASTM D1003
<b>Mechanical</b>				
Tensile stress at yeild		>45	MPa	ISO 527-2/1B/50
Elongation at yeild		4	%	ISO 527-2/1B/50
Tensile Strength		>45	MPa	ISO 527-2/1B/50
Elongation at break		>35	%	ISO 527-2/1B/50
Elastic modulus		2020	MPa	ISO 527-2/1B/1
Limiting flexural stress		ca. 80	MPa	ISO 178
Impact strength	Charpy, unnotched	no break	kJ/m <sup>2</sup>	ISO 179/1fU
	Charpy, notched	ca. 7	kJ/m <sup>2</sup>	ISO 179/1eA
	Izod notched	ca. 6	kJ/m <sup>2</sup>	ISO 180/1A
<b>Thermal</b>				
Vicat softening temperature	Method B50	80	°C	ISO 306
Thermal conductivity		0.2	W/m K	DIN 52612
Coeff. of linear thermal expansion		0.05	mm/m K	DIN 53752-A
Heat deflection temperature under load	Method A: 1.80MPa	63	°C	ISO 75-2
	Method B: 0.45MPa	70	°C	ISO 75-2
<b>Electrical</b>				
Dielectric strength		16.1	kV/mm	IEC 60243-1
Volume resistivity		1015	Ohm-cm	IEC 60093
Surface resistivity		1016	Ohm	IEC 60093
Dielectric constant	at 10 <sup>3</sup> Hz			IEC 60250
	at 10 <sup>6</sup> Hz			IEC 60250
Dissipation factor	at 10 <sup>3</sup> Hz			IEC 60250
	at 10 <sup>6</sup> Hz			IEC 60250