



<b>TEREZ PA 6 7100</b>			
PA6			Ter Plastics
<b>Product Texts</b>			
Unfilled Polyamide 6 standard quality, low-viscosity and good flowability. Good for high flow path and short cycle times.			
<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	3200	MPa	ISO 527-1/-2
Tensile Strength	80	MPa	ISO 527-1/-2
Yield stress	85	MPa	ISO 527-1/-2
Yield strain	4	%	ISO 527-1/-2
Strain at break	20	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	8	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Temp. of deflection under load (1.80 MPa)	65	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	175	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10
<b>Electrical properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Relative permittivity, 100Hz	3.4	-	IEC 60250
Relative permittivity, 1MHz	3.1	-	IEC 60250
Volume resistivity	1E15	Ohm*m	IEC 60093
Surface resistivity	1E15	Ohm	IEC 60093
Comparative tracking index	550	-	IEC 60112
<b>Other properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	10	%	Sim. to ISO 62
Humidity absorption	2.8	%	Sim. to ISO 62
Density	1130	kg/m <sup>3</sup>	ISO 1183