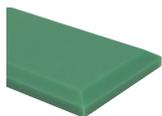




## Technical Data Sheet

PlastShop.se



### PE-500 2000x1000x120 mm green

Article No.	P2200600
Category	PE

#### Technical Properties

##### Density & Weight

Property	Value	Unit	Test standard
Density	1.3	g/cm <sup>3</sup>	DIN EN ISO 1183-1

##### Moisture Absorption

Property	Value	Unit	Test standard
Water absorption to saturation	0.0	%	DIN EN ISO 62
Water Absorption to Saturation	0.0	%	DIN EN ISO 62

##### Tensile Properties

Property	Value	Unit	Test standard
Tensile Strength	24.2	MPa	DIN EN ISO 527
Modulus of elasticity (tensile)	1100	MPa	DIN EN ISO 527
Break Elongation	138.75	%	DIN EN ISO 527

##### Impact Resistance

Property	Value	Unit	Test standard
Notched impact strength (Charpy)	2	kJ/m <sup>2</sup>	DIN EN ISO 179

##### Hardness

Property	Value	Unit	Test standard
Hardness Shore D	65	° Shore D	DIN EN ISO 868

Property	Value	Unit	Test standard
Ball pressure hardness	50	MPa	ISO 2039-1

### Temperature Limits

Property	Value	Unit	Test standard
Melting point	132.5	°C	ISO 11357-3
Maximal operating temperature (short-term)	80	°C	
Maximum Operating Temperature	54	°C	
Minimum temperature	-100	°C	
Vicat softening temperature (VST/B/50)	79	°C	DIN EN ISO 306

### Thermal Conductivity

Property	Value	Unit	Test standard
Thermal Conductivity	0.4	W/(m·K)	DIN 52612-1

### Thermal Expansion

Property	Value	Unit	Test standard
Thermal Expansion Coefficient	2.4	10 <sup>-4</sup> /K	DIN 53752

### Insulation Properties

Property	Value	Unit	Test standard
Dielectric Strength	40	kV/mm	IEC 60243
Volume Resistivity	10 <sup>14</sup>	Ω	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	2.3	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250

### Static spread

Property	Value	Unit	Test standard
Surface Resistivity	~10 <sup>8</sup>	Ω	DIN EN 62631-3-2
Comparative Tracking Index (CTI)	600	V	IEC 60112

### Fire Classification

Property	Value	Unit	Test standard
Flammability Classification (UL 94)	3		UL 94

