









ନ୍ନନ୍ iluminare cu leduri

ACCESORII

BIROURI

BUCURESTI

Str. Itcani nr. 17-19, sect. 2 office-b@spiroplastic.ro

CONSTANTA

Str. I.C. Bratianu nr. 28, lot 4 office-ct@spiroplastic.ro

BRASOV

Str. Ecologistilor nr. 12A, Sacele office-bv@spiroplastic.ro

CLUJ

Str. Orastiei nr. 10, Depozit nr. 2 office-cj@spiroplastic.ro

TIMISOARA

Bd. Gen. Dragalina nr. 36/A office-tm@spiroplastic.ro

POLYCASA PETG

POLYCASA° PETG IS A TOUGH, CLEAR MATERIAL THAT OFFERS MANY SOLUTIONS FOR BOTH INDOOR AND OUTDOOR APPLICATIONS.

This extruded sheet offers possibilities for designers and fabricators, from simple shapes to the most complex designs (where it doesn't lose any of its toughness). PETG is easy to mould, and does not require predrying before use (in contrast to other common materials), which reduces processing costs and time required.

Plus, the high impact performance allows use of a thinner gauge sheet than with other common materials another way of lowering material costs.



PRODUCT IDENTIFICATION

Polycasa PETG is the brand name for extruded Polyethyleneterephthalate Glycol (PETG) copolyester sheet from Polycasa.

As a result of the extrusion process, **Polycasa** can offer, in addition to clear and opal versions, a variety of colours and designs to suit a wide range of requirements.

CHARACTERISTICS

- Good optical properties.
- Brilliant surface.
- Easy to fabricate.
- Its biggest advantage compared to other plastics is in vacuum forming.
- Exceptional low temperature performance.
- Very good chemical resistance.
- Very high impact properties.
- Low water absorption.
- Easy to recycle.

Polycasa PETG meets all current food contact legislation and can be used in contact with unwrapped food.

Our UV Grade is not intended for food contact and is therefore not covered by this warranty.

APPLICATIONS

- Bus shelters.
- Poster glazing.
- Machine guards.
- Medical appliance packaging.
- Displays & signs for external use.
- Refrigerators and cold storeroom equipment.
- Bicycle safety helmets.
- Food containers.
- Lenticular lenses.
- Graphic arts.
- Lighting controllers for hazardous areas.
- Motorcycle windshields.

PRODUCT RANGE

- Available with UVP or anti-reflex features.
- Standard sheet thickness range from 0.8 to 10 mm. (12 and 15 mm are also available but subject to special order.)
- Available in standard clear colour, and a range of different opal shades.
- Patterns; Prismatic, Haircell and Impala patterns and also colours are available on request.
- A range of special colours with or without UV protection can be produced, subject to special conditions.
- Standard sheet dimensions are from 0.8 to 1.5 mm, 2050 x 1250 (width) mm; from 1.5 to maximum thickness 3050 x 2050 mm or 2050 mm x 1250.
- Overlength and special sizes on request.

Please contact your local customer service centre for a complete product overview. For details see back of brochure.

TECHNICAL INFORMATION

GENERAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Density	D1505	g/cm ³	1.27
Rockwell hardness	D-785	R scale	105
OPTICAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Light transmission	5036	%	88
Refractive index	53491		1.57
Haze	D1003	%	<1
MECHANICAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Flexural modulus	53452	MPa	2075
Flexural strength	53452	MPa	70
Tensile modulus	53455	MPa	2200
Tensile strength	53455	MPa	50
Elongation	53455	%	54
THERMAL			
Property	Method	Unit	POLYCASA PETG +
			I GEI CHURTEI G OV
Vicat temperature (B)	53460	°C	82
Vicat temperature (B) Heat deflection temperature (A/B)	53460 53461	°C °C	82 72/68
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity	53460 53461 D-2766	°C °C J/gK	82 72/68 1.1
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion	53460 53461 D-2766 53752	℃ ℃ J/gK K ⁻¹ x10 ⁻⁵	82 72/68 1.1 6.8
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity	53460 53461 D-2766 53752 52612	℃ ℃ J/gK K ⁻¹ x10 ⁻⁵ W/mK	82 72/68 1.1 6.8 0.20
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature	53460 53461 D-2766 53752 52612 52612	℃ ℃ J/gK K⁻¹x10⁻⁵ W/mK ℃	82 72/68 1.1 6.8 0.20 >280
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature	53460 53461 D-2766 53752 52612 52612	°C °C J/gK K ⁻¹ x10 ⁻⁵ W/mK ℃ °C	82 72/68 1.1 6.8 0.20 >280 70
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range	53460 53461 D-2766 53752 52612 	℃ ℃ J/gK K ⁻¹ x10 ⁻⁵ W/mK ℃ ℃ ℃ ℃ ℃ ℃ ℃ ℃ ℃ ℃	82 72/68 1.1 6.8 0.20 >280 70 120-160
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range	53460 53461 D-2766 53752 52612	℃ ℃ J/gK K⁻¹x10⁻⁵ W/mK ℃ ℃ ℃ ℃ ℃ ℃ ℃ ℃ ℃ ℃	82 72/68 1.1 6.8 0.20 >280 70 120-160
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property	53460 53461 D-2766 53752 52612 2000 52612 2000 52612 2000 52612 2000 52612 2000 52612 2000 52612 2000 52612 2000 52612 2000 52612 2000 52612 526	°C °C J/gK K-¹x10⁻⁵ W/mK °C °C °C °C °C °C °C Unit	82 72/68 1.1 6.8 0.20 >280 70 120-160
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched)	53460 53461 D-2766 53752 52612	°C °C J/gK K-¹x10-⁵ W/mK °C °C °C °C °C °C Unit kJ/m²	82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (notched)	53460 53461 D-2766 53752 52612 - <td>°C °C J/gK K-¹x10-⁵ W/mK °C °C °C °C Unit kJ/m² kJ/m²</td> <td>82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10</td>	°C °C J/gK K-¹x10-⁵ W/mK °C °C °C °C Unit kJ/m² kJ/m²	82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (unnotched)	53460 53461 D-2766 53752 52612 2 2 2 2 2 2 3 2 2 3 3 4 4 5 4 5 4 5 4 5 <td>°C °C J/gK K'1x10⁻⁵ W/mK °C °C °C °C VInit kJ/m² kJ/m² kJ/m²</td> <td>82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB</td>	°C °C J/gK K'1x10 ⁻⁵ W/mK °C °C °C °C VInit kJ/m² kJ/m² kJ/m²	82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (notched) Charpy (unnotched)	53460 53461 53461 D-2766 53752 52612 -	°C °C J/gK K'¹x10⁻⁵ W/mK °C °C °C °C °C Unit kJ/m² kJ/m² kJ/m²	82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (unnotched) ELECTRICAL	53460 53461 53461 D-2766 53752 52612 Image: Solution of the second s	°C °C J/gK K'¹x10⁻⁵ W/mK °C °C °C °C VInit kJ/m² kJ/m² kJ/m² kJ/m²	82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (unnotched) ELECTRICAL Property	53460 53461 53461 D-2766 53752 52612 Image: Solution of the second of the s	°C °C J/gK K ⁻¹ x10 ⁻⁵ W/mK °C °C °C °C VInit kJ/m² kJ/m² Unit M/m² V/m² Unit	82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB POLYCASA PETG + POLYCASA PETG UV
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (unnotched) ELECTRICAL Property Dielectric constant 100 HZ	53460 53461 53461 D-2766 53752 52612 3 3	°C °C J/gK K.'1x10-5 W/mK °C °C °C °C VInit kJ/m² kJ/m² kJ/m² Unit Unit	82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB POLYCASA PETG + POLYCASA PETG UV 2.6
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Max. service temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (notched) Charpy (unnotched) ELECTRICAL Property Dielectric constant 100 HZ Volume resistivity	53460 53461 53461 D-2766 53752 52612 Image: Solution of the second of the s	°C °C J/gK K'1x10-5 W/mK °C °C °C °C V/mK Volt KJ/m² KJ/m² KJ/m² Unit Unit Ωcm	82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB POLYCASA PETG + POLYCASA PETG UV 2.6 >10 ¹⁵
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (notched) Charpy (unnotched) ELECTRICAL Property Dielectric constant 100 HZ Volume resistivity Surface resistivity	53460 53461 53461 D-2766 53752 52612 200 2010	°C °C J/gK K'1x10-5 W/mK °C °C °C °C VI/mK Volt Value Lunit kJ/m² kJ/m² Unit Unit Ω	82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB POLYCASA PETG + POLYCASA PETG UV 2.6 >10 ¹⁵ >10 ¹⁶
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (unnotched) ELECTRICAL Property Dielectric constant 100 HZ Volume resistivity Surface resistivity Dielectric strength	53460 53461 53461 D-2766 53752 52612 Image: Solution of the second of the s	°C °C J/gK K.'1x10-5 W/mK °C °C °C %C %L/m2 %L/m2 %L/m2 %L/m2 %L/m2 %C %C	82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB POLYCASA PETG UV 2.6 >10 ¹⁵ >10 ¹⁶ 16

GENERAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Density	D1505	g/cm ³	1.27
Rockwell hardness	D-785	R scale	105
OPTICAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Light transmission	5036	%	88
Refractive index	53491		1.57
Haze	D1003	%	<1
MECHANICAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Flexural modulus	53452	MPa	2075
Flexural strength	53452	MPa	70
Tensile modulus	53455	MPa	2200
Tensile strength	53455	MPa	50
Elongation	53455	%	54
THERMAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Vicat temperature (B)	53460	°C	82
Heat deflection temperature (A/B)	53461	°C	72/68
Specific heat capacity	D-2766	J/gK	1.1
Coefficient of linear thermal expansion	53752	K-1x10-5	6.8
Thermal conductivity	52612	W/mK	0.20
Degradation temperature		°C	>280
Max. service temperature		°C	70
Sheet forming temperature range		°C	120-160
IMPACT STRENGTHS			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Izod (notched)	ISO 180	kJ/m²	11.5
Charpy (notched)	53453	kJ/m²	10
Charpy (unnotched)	53453	kJ/m²	NB
ELECTRICAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Dielectric constant 100 HZ	IEC 250		2.6
Volume resistivity	D257	Ω.cm	>1015
Surface resistivity	D257	Ω	>10 ¹⁶
Dielectric strength	D149	kV/mm	16
Dissipation factor (50 HZ)	IEC 250		0.01

GENERAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Density	D1505	g/cm ³	1.27
Rockwell hardness	D-785	R scale	105
OPTICAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Light transmission	5036	%	88
Refractive index	53491		1.57
Haze	D1003	%	<1
MECHANICAL			
Property	Method	Unit	POLYCASA PETG + POLYCASA PETG UV
Flexural modulus	53452	MPa	2075
Flexural strength	53452	MPa	70
Tensile modulus	53455	MPa	2200
Tensile strength	53455	MPa	50
Elongation	53455	%	54
THERMAL			
Property	Method	Unit	POLYCASA PETG +
			POLYCASA PEIG UV
Vicat temperature (B)	53460	°C	POLYCASA PEIG UV 82
Vicat temperature (B) Heat deflection temperature (A/B)	53460 53461	°⊂ °C	POLYCASA PETG UV 82 72/68
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity	53460 53461 D-2766	°C °C J/gK	POLYCASA PEIG UV 82 72/68 1.1
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion	53460 53461 D-2766 53752	°C °C J/gK K ⁻¹ x10 ⁵	POLYCASA PETG UV 82 72/68 1.1 6.8
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity	53460 53461 D-2766 53752 52612	°C °C J/gK K ⁻¹ x10 ⁻⁵ W/mK	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature	53460 53461 D-2766 53752 52612	°C °C J/gK K ¹ x10 ⁵ W/mK °C	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature	53460 53461 D-2766 53752 52612	°C °C J/gK K¹x10⁻⁵ W/mK °C °C	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range	53460 53461 D-2766 53752 52612	°C °C J/gK K ¹ x10 ⁵ W/mK °C °C °C	POLYCASA PEIG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS	53460 53461 D-2766 53752 52612	°C °C J/gK K¹x10⁻⁵ W/mK °C	POLYCASA PEIG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property	53460 53461 D-2766 53752 52612	°C °C J/gK K ⁻¹ x10 ⁻⁵ W/mK °C °C °C °C Unit	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched)	53460 53461 D-2766 53752 52612	°C °C J/gK K'1x10 ⁻⁵ W/mK °C °C °C °C Unit kJ/m²	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (notched)	53460 53461 D-2766 53752 52612 Method ISO 180 53453	°C °C J/gK K ¹ x10 ⁻⁵ W/mK °C °C °C °C Unit kJ/m ² kJ/m ²	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (notched) Charpy (unnotched)	53460 53461 D-2766 53752 52612 Method ISO 180 53453	°C °C °C J/gK K ¹ x10 ⁻⁵ W/mK °C °C °C °C °C Vinit kJ/m ² kJ/m ²	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (notched) Charpy (unnotched) ELECTRICAL	53460 53461 D-2766 53752 52612 Method ISO 180 53453 53453	°C °C J/gK K ¹ x10 ⁻⁵ W/mK °C °C °C °C °C Vinit kJ/m² kJ/m² kJ/m²	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (unnotched) ELECTRICAL Property	53460 53461 D-2766 53752 52612 Method ISO 180 53453 53453 Method	°C °C J/gK K ¹ x10 ⁻⁵ W/mK °C °C °C °C °C VInit kJ/m ² kJ/m ² Unit Unit	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB POLYCASA PETG + POLYCASA PETG H POLYCASA PETG H POLYCASA PETG H POLYCASA PETG H
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Sheet forming temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (unnotched) ELECTRICAL Property Dielectric constant 100 HZ	53460 53461 D-2766 53752 52612 Method ISO 180 53453 53453 Method ISO 180 53453 53453 IEC 250	°C °C J/gK K¹x10⁻5 W/mK °C °C °C °C °C °C Vinit kJ/m² kJ/m² Unit Unit Unit	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB POLYCASA PETG + POLYCASA PETG UV 2.6
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Max. service temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (unnotched) ELECTRICAL Property Dielectric constant 100 HZ Volume resistivity	53460 53461 D-2766 53752 52612 Method ISO 180 53453 53453 Method IEC 250 D257	°C °C J/gK K ¹ x10 ⁻⁵ W/mK °C °C °C °C °C °C Vinit kJ/m ² kJ/m ² Unit Unit Ω.cm	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB POLYCASA PETG UV 2.6 >10 ¹⁵
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Max. service temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (unnotched) ELECTRICAL Property Dielectric constant 100 HZ Volume resistivity Surface resistivity	53460 53461 D-2766 53752 52612 Method ISO 180 53453 53453 IEC 250 D257 D257	°C °C J/gK K ⁻¹ x10 ⁻⁵ W/mK °C °Lnit kJ/m ² kJ/m ² Unit Unit Q.cm	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB POLYCASA PETG + POLYCASA PETG UV 2.6 >10 ¹⁵ >10 ¹⁶
Vicat temperature (B) Heat deflection temperature (A/B) Specific heat capacity Coefficient of linear thermal expansion Thermal conductivity Degradation temperature Max. service temperature Max. service temperature range IMPACT STRENGTHS Property Izod (notched) Charpy (notched) Charpy (unnotched) ELECTRICAL Property Dielectric constant 100 HZ Volume resistivity Surface resistivity Dielectric strength	53460 53461 D-2766 53752 52612 Method ISO 180 53453 53453 Method IEC 250 D257 D257 D149	°C °C J/gK K ¹ x10 ⁻⁵ W/mK °C °C °C °C °C °C °C Vimt kJ/m ² kJ/m ² volume Outit Outit Ω.cm Ω KV/mm	POLYCASA PETG UV 82 72/68 1.1 6.8 0.20 >280 70 120-160 POLYCASA PETG + POLYCASA PETG UV 11.5 10 NB POLYCASA PETG UV 2.6 >10 ¹⁵ >10 ¹⁶ 16