

Article

Art.-No.	Article	Dimension	Colour
0.0.492.03	PET-G 4mm	panel dimension approx. 3050x2050 mm	clear
0.0.492.07		cut-off max. 3020x2020 mm	
0.0.493.76	PET-G 5mm	panel dimension approx. 3050x2050 mm	clear
0.0.493.77		cut-off max. 3020x2020 mm	
0.0.492.80	PET-G 6mm	panel dimension approx. 3050x2050 mm	clear
0.0.492.81		cut-off max. 3020x2020 mm	
0.0.492.04	PET-G 7mm	panel dimension approx. 3050x2050 mm	clear
0.0.492.08		cut-off max. 3020x2020 mm	

Common Properties

Properties	Unit	Values	Standard
Material	-	Polyethyleneterephthalate (PET-G)	-
Density	g/cm ³	1.27	DIN EN ISO 1183
Thickness t	mm	4/5/6/7	-
Thickness Tolerance	%	±5 (t ≥ 3mm)	-
Light transmission	%	≥ 85	DIN EN ISO 13468-1
Refractive Index	n ₀ 20	1.567	DIN EN ISO 489

Mechanical Properties

Properties	Unit	Values	Standard
Tensile Strength	MPa	> 45	DIN EN ISO 527-2
Bending Strength	MPa	70	DIN EN ISO 178
Flexural modulus of elasticity	MPa	≥ 2000	DIN EN ISO 527-2
Elongation at break	%	> 25	DIN EN ISO 527-2
Charpy impact strength (unnotched)	kJ/m ²	no break	DIN EN ISO 179-1
Charpy impact strength (notched)	kJ/m ²	7	DIN EN ISO 179/1eA

Thermal Properties

Properties	Unit	Values	Standard
Linear thermal coefficient of expansion (23°C - 70°C)	10 ⁻⁶ x K ⁻¹	68	ISO 11359-2
Thermal conductivity	W/mK	0.2	DIN EN ISO 22007-1
Vicat softening temperature	°C	70	DIN EN ISO 306 Procedure B50

Electrical Properties

Properties	Unit	Values	Standard
Surface resistance*	Ω	≥ 10 ¹⁶	IEC 61340-5-1
Specific volume resistance*	Ωm	≥ 10 ¹⁵	IEC 60093 DIN EN 62631-1-3-1, ASTM D257

* Ambient temperature 23 °C ± 2 °C

The humidity during the tests was between 10-65% due to the local conditions.

Fire Behaviour

Properties	Unit	Values	Standard
Fire behaviour	-	B1	DIN 4102
	-	B-s2, d0	DIN EN 13501-1

Handling and Storage

Properties	
Handling	The product can be processed with standard machines and tools.
Recommended storage	Horizontal, dry, protected for climatic condition.

Disposal

Basically, the country-specific laws and regulations regarding waste disposal must be observed.

Thermal recycling is preferable to landfill disposal. The disposal of the ashes resulting from thermal recycling in orderly industrial waste landfills is unproblematic.

Cleaning

Clear water is sufficient for cleaning. Rinse the surface with lukewarm water, a soft cloth (no microfiber) and a mild, non-abrasive soap solution. Dry with glove fabric or chamois leather. Surfaces contaminated with oil can be cleaned with aromatic-free petrol. detergent at an unobtrusive place firstly.

Desinfection

In principle, the country-specific laws and regulations relating to disinfection must be observed.

Ethanol, propanol and isopropyl alcohol (also called isopropanol) are alcohols and have a disinfectant effect. They damage the shell of bacteria, fungi and viruses and kill them in this way. Isopropanol is a highly concentrated alcohol and is often used as a substitute for ethanol. The areas of application are diverse, but be careful when using it. Isopropanol, also known as isopropyl alcohol and 2-propanol, is one of the secondary alcohols.

PC can be cleaned and disinfected quickly and easily with ethanol and isopropanol, as PC is not attacked by these solvents. The duration of contact should be kept to the minimum necessary. Test at an unobtrusive place firstly.

REACH, RoHS

Properties	
Regulation (EG) Nr. 1907/2006 (REACH)	compliant
Regulation 2011/65/EU (RoHS)	compliant
Product contains silicone	Silicone is not relevant for production, but minimal contact with silicone-containing lubricants or cleaning agents cannot be completely ruled out during the handling and production of our products

Spezifikation for the use of the plates in contact with food

Properties	
Contact	<p>All food contact is possible, according to EU Regulation 10/2011 and amendments including Regulations 2018/213, 2018/79 and 2019/1338 for semi-finished plastic products that come into contact with food.</p> <p>Under freezing and cooling conditions, any long-term storage at room temperature and below, including heating to 70°C for up to 2 hours. Prolonged heating may cause the sheets to deform.</p> <p>The information is intended as a guide and applies only to the original sheets and not to any consumer goods made from them.</p> <p>Conditions of use that go beyond the aforementioned standard test conditions according to Regulation 10/2011/EC have not been tested. They are to be provided by the manufacturer of the consumer product at their own responsibility.</p>

The tests for compliance with the specific migration values were carried out in accordance with the requirements of European Regulation 10/2011 and FDA Regulation 21 CFR 177.1315 with 3% acetic acid, 10% ethanol and simulant D, among others, under test conditions OM2 (2 hours at 70°C, followed by 10 days at 40°C). The OM2 test conditions include OM1 and OM3. The evaluation showed that the migration limits of max. 60 mg/kg food or 10 mg/dm² are complied with.

The results are well below the required total migration of 60 mg/kg or <10 mg/dm².

The above information is based on our current state of knowledge and does not constitute a positioning set of properties. Before using our products, please check for yourself whether they are suitable for your intended use, also with regard to possible application-effective influences.

The recipient of the product is responsible for observing existing laws and regulations.

Subject to technical changes, errors excepted.