

Product Handling Information Sheet

PETG

Product Description

Material	PETG (glycol-modified polyethylene terephthalate, amorphous copolyester)
Grades	• transparent • opal • satin • embossed • UV-stabilised
Colour	transparent / opal, custom colour matching on request
Service temperature range	-40 °C to +65 °C
Flammability	B1, flame retardant acc. to DIN 4102 (1-8 mm transparent / 3-8 mm Opal)

Supply Forms and Dimensions

Format 2000 × 1000 mm	Thickness 1-15 mm
Format 2050 × 1250 mm	Thickness 1-12 mm
Format 3050 × 1500 mm	Thickness 1.5-12 mm
Format 3050 × 2050 mm	Thickness 2-10 mm
Opal grade	Thickness 2-4 mm, in all formats listed
Welding rods	round, transparent, Ø 3-4 mm

Storage

Storage location	store dry, cool and protected from direct UV/sunlight
Storage position	flat on a level, clean surface; do not store sheets on edge or upright
Protective film	leave in place until immediately before processing
Stacking	observe permissible stack height, avoid overloading

Transport and Handling

Transport	transport flat with full support, use edge protection
Handling	handle with clean, lint-free gloves; avoid scratches and fingerprints
Separating large sheets	use two or more people or suitable lifting aids, avoid excessive bending

Processing Notes

Machining	• Sawing • Drilling • Routing • Punching • Cutting
Forming	• Thermoforming • Hot bending • Cold forming
Separation methods	• Laser cutting • Waterjet cutting
Joining	• Bonding • Welding
Finishing	• Printing • Edge polishing • Back-mounting • Laminating
General note	Use sharp tools suitable for plastics and adequate cooling to avoid stress cracking. Remove protective film only after all processing steps are complete.

Occupational Safety

Personal protective equipment	• Safety goggles during machining • Gloves when handling material • Respiratory protection/extraction where dust or fumes are generated, e.g. laser cutting or hot bending
Ventilation	ensure adequate ventilation at the workplace, especially during thermal processing
Fire/explosion protection	plastic dust can be combustible; avoid ignition sources and dust accumulation

Cleaning and Care

Cleaning agents	mild soap solution and lukewarm water
Tools	soft, lint-free cloth or chamois leather; do not use abrasive materials
Not suitable	aggressive solvents, high-proof alcohol, harsh or abrasive cleaners
Static charge	antistatic cleaners can help reduce electrostatic charging

Physiological Safety and Food Contact

Physiological safety (BfR)	confirmed
Food contact compliance (EU)	confirmed (transparent grade)
FDA compliance	confirmed
Note	a separate FDA compliance declaration is available

Disposal and Recycling

Material group	thermoplastic (copolyester), fundamentally recyclable
Production offcuts	clean, single-grade offcuts can generally be remelted
Disposal	observe local waste-disposal and recycling regulations

General Note

Liability note	This information is based on the technical properties of the material and is intended as an aid to proper storage, handling and processing. It does not replace the processor's own testing and does not constitute a legally binding assurance of specific properties. The technical data sheet and application-specific testing always take precedence for the concrete application.
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