



## PRODUCT GUIDE

Flawlessly extruded APET and PETG thermoplastic polyester sheets.



# HIPEX® A

## THE BEST FOR FLAT AND COLD BENDING APPLICATIONS

**HIPEX® A** is a premium quality amorphous polyethylene terephthalate (APET). **HIPEX® A** is the best choice for flat and cold bending applications. **HIPEX® A** shows good printability with UV curing inks and is flame retardant rated "difficult-to-ignite" as well as suitable for food applications. Moreover, it is extremely impact resistant also at temperatures down to -20°C and shows excellent outdoor durability in the variant with UV protection.

**HIPEX® A** sheets offer a unique combination of excellent properties and occupy an unrivalled ecological position amongst fully transparent and translucent sheet materials.

### CHARACTERISTICS

- 100% recyclable within its own waste category
- Tough and hard with high impact strength also at temperatures down to -20°C
- Impeccable optical properties with a light transmission of nearly 90% for non-tinted types
- Good outdoor durability in the variant with UV protection
- Flame retardant rated "difficult-to-ignite"
- Very high chemical resistance
- Easy and fast to process
- Good printability thanks to optimal adhesion of UV curing inks

### APPLICATIONS

- Flexible poster covers
- Printed translucent signs
- Small to medium sized displays
- Slatwall magazine racks
- Cold food storage elements
- Protective glazing for machinery

### PROCESSING

- Printing
- Laminating
- Sawing
- Drilling
- Thread cutting
- Milling
- Laser and water jet cutting
- Polishing
- Stamping/Cutting
- Bonding
- Cold bending
- Tempering



# HIPEX® G

## THE PERFECT MATERIAL FOR VACUUM FORMING AND THERMOFORMING

**HIPEX® G** are extruded polyethylene terephthalate glycol (PETG) sheets, which are characterized by good optical properties, easy processability and very good impact resistance. Moreover, **HIPEX® G** sheets are flame retardant rated "difficult-to-ignite", are suitable for food applications and can be printed with UV curing inks.

Especially for applications in the field of vacuum forming and thermoforming, **HIPEX® G** sheets are the best choice as they don't crystallize and can be processed without pre-drying (time and energy saving). Thanks to its easy formability, the material offers designers and fabricators various possibilities, from simple shapes to complex constructions.

The sheets are available with or without UV protection and in addition to the clear and opal white versions also in a variety of colours and design patterns.

### CHARACTERISTICS

- Good optical properties and a brilliant surface
- Easy to fabricate
- Excellent for vacuum forming and thermoforming without pre-drying (time and energy saving)
- Exceptional low temperature performance
- Very good chemical resistance
- Very high impact resistance
- Low water absorption
- Easy to recycle
- Flame retardant rated "difficult-to-ignite"
- Good printability thanks to optimal adhesion of UV curing inks



### APPLICATIONS

- Bus shelters
- Poster glazing
- Machine guards
- Medical appliance packaging
- Displays and signs for interior and exterior use
- Refrigerators and cold storeroom equipment
- Bicycle safety helmets
- Food containers
- Lighting controllers for hazardous areas
- Back-printed translucent signs
- Three-dimensional POS/POP displays



### PROCESSING

- |                               |                        |
|-------------------------------|------------------------|
| ■ Printing                    | ■ Polishing            |
| ■ Laminating                  | ■ Stamping/Cutting     |
| ■ Sawing                      | ■ Bonding              |
| ■ Drilling                    | ■ Hot and cold bending |
| ■ Thread cutting              | ■ Thermoforming        |
| ■ Milling                     | ■ Tempering            |
| ■ Laser and water jet cutting |                        |





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