



# APET and UltraTuf™ PETG Sheet

## Helping provide a safety barrier between people and disease.

Today more than ever there is a heightened need for increased public health and safety. Spartech plastics are meeting that demand by providing an essential solution for Personal Protective Equipment (PPE). Our APET and UltraTuf™ PETG Anti-Fog coated plastics provide a reliable and protective face shield material to help keep people free from exposure to chemicals and disease. It is also ideal for use as a barrier for safe interaction between employees and customers in retail environments as well as for food protection in restaurants.

### APET and UltraTuf™ PETG material benefits:

- Anti-fog coated
- Cost-effective and easy to customize material

- FDA compliant
- Provides an employee/customer barrier at the point of sale for retailers
- Superior chemical protection and impact resistance
- Very clear and disinfects easily
- Ideal for use as a face shield or as a discardable barrier

It is safe to say Spartech has solutions for various PPE applications. To learn more about our APET and UltraTuf™ PETG anti-fog coated materials, call Spartech today at 800-677-4338 (800-67-SHEET) or e-mail [info@spartech.com](mailto:info@spartech.com).

### UltraTuf™ PETG Anti-Fog coated sheet

UltraTuf™ PETG (polyethylene terephthalate glycol) sheet has been developed for PPE applications such as safety visors and retail point-of-sale barriers for those who need protection without having their vision hampered. This material offers high clarity, impact resistance and is available in gauges ranging from 0.010" to 0.042".

The UltraTuf™ PETG sheet product line includes the following options:

- One side is anti-fog coated
- One side is anti-fog coated, cling poly on opposite side

### APET Anti-Fog coated sheet

APET (amorphous polyethylene phthalate) sheet has been specifically developed for PPE applications that require clarity along with a good balance of stiffness and toughness. This material can be designed to comply with FDA Food Contact Regulation 21 CFR 177.1630 for polyethylene phthalate polymers.

The APET sheet product line includes the following options:

- One side anti-fog coated
- One side anti-fog coated, cling poly on opposite side
- One side anti-fog coated with anti-block in the bulk

#### TYPICAL PROPERTIES – APET SHEET

PROPERTY	TEST METHOD	VALUE
Density	ASTM D792	1.33 g/cc
Intrinsic Viscosity	ASTM D4603	0.75 +/- 0.03 dL/gm
Melting Point	ASTM D3418	246 +/- 5 °C
Tensile Strength	ASTM D638	8,000 psi
Izod Impact, Notched	ASTM D256	0.50 ft-lbs/in

PET/APET meets the APR (Association of Plastic Recyclers) and California State requirements to be categorized as recyclable into RIC (Resin Identification Code) #1 recycle stream.

#### TYPICAL PROPERTIES – PETG SHEET

PROPERTY	TEST METHOD	VALUE
Density	ASTM D792	1.27 g/cc
Tensile Strength	ASTM D638	7,700 psi
Flexural Modulus	ASTM D790	310,000 psi
Izod Impact, Notched, 72 °F	ASTM D256	1.70 ft-lbs/in
Izod Impact, Notched, -5 °F	ASTM D256	0.70 ft-lbs/in

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