

## Property Data Sheet

### EdgeGlas® TP Injection Molding Experimental Grade

**Product Description:** *EdgeGlas® TP is a line of clear thermoplastics that combine crystal clarity, rigidity and high heat resistance.*

#### Typical Material Properties

General Properties	Test Method (ASTM)	Typical Values (English)
Specific Gravity	D 792	1.09
Melt Flow (300 °C/1.2 kg.)	D 1238	20g/10min
Food Contact Acceptable	FDA FDA	

#### Mechanical Properties

Tensile Elongation	D 638	5%
Flexural Modulus	D 790	550,000 psi
Flexural Strength @ Yield	D 790	12,000 psi

#### Thermal Properties

Deflection Temp. [ @ 0.455 MPa (66psi) Unannealed Annealed	D 648	240°F (116°C)
Vicat Softening Temp. [ @ 1kg load]	D 1525	225°F (107°C)
Flammability Classification [3.2 mm (.125 in.)]	UL 94	90HB

**Additional:** *Dishwasher safe*

#### Optical Properties

Haze	D 1003	1.4%
Light Transmittance	D 1003	89%

#### Recommended Processing

<b>Drying Temperature</b>	2 Hours at 185°F (85°C)
<b>Rear Temperature</b>	410°F-455°F (210°C-235°C)
<b>Middle Temperature</b>	410°F-455°F (210°C-235°C)
<b>Front Temperature</b>	455°F-460°F (235°C-238°C)
<b>Nozzle/Die Head Temperature</b>	430°F-460°F (221°C-238°C)
<b>Processing (Melt) Temp</b>	430°F-460°F (221°C-238°C)
<b>Mold Temperature</b>	140°F-150°F (60°C-66°C)
<b>Back Pressure</b>	50-200 psi
<b>Screw Speed</b>	40-80 rpm

The information provided above is based upon typical values. Typical values are intended only as guides. Each customer is responsible for determining whether products and information in this document are appropriate for the customer's use. **NO GUARANTEES OR WARRANTIES ARE EXPRESSED OR IMPLIED.**