



Property Data Sheet

EdgeGlas® TP Injection Molding Experimental Grade

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

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	D 648	240°F (116°C)
Annealed		
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	
Drying Temperature	2 Hours at 185°F (85°C)
Rear Temperature	410°F-455°F (210°C-235°C)
Middle Temperature	410°F-455°F (210°C-235°C)
Front Temperature	455°F-460°F (235°C-238°C)
Nozzle/Die Head Temperature	430°F-460°F (221°C-238°C)
Processing (Melt) Temp	430°F-460°F (221°C-238°C)
Mold Temperature	140°F-150°F (60°C-66°C)
Back Pressure	50-200 psi
Screw Speed	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.**