

**Auriga Polymers Inc.**

**Polyclear<sup>®</sup> Crystal PET 3302**  
*Provisional Engineering Properties Data Sheet*

**Product Description**

Polyclear<sup>®</sup> Crystal PET 3302 is a copolyester resin that can be injection molded into parts with outstanding clarity, great color, and excellent chemical resistance. The high viscosity (.79 IV) makes it ideal for molding thick wall sections without sinks. The product is 100% recyclable and the scrap can be re-ground for additional molding.

Polyclear<sup>®</sup> Crystal PET 3302 has been used successfully in personal care, pharmaceutical, dishware, liquor, and food applications. This polymer complies with the Federal Food, Drug, and Cosmetic Act for certain food applications. Please contact Auriga Polymers Inc. for specific FDA clearances.

<b>Property</b>	<b>Value</b>	<b>Test Method</b>
<b>General</b>		
Intrinsic Viscosity	0.79 dl/g	1% solution in DCA*
Density	1.39 g/cm <sup>3</sup>	D792
<b>Mechanical</b>		
Tensile Stress @ Yield	49.4 Mpa	D638
Tensile Stress @ Break	24.6 Mpa	D638
Elongation @ Yield	4.4%	D638
Elongation @ Break	308%	D638
Tensile Modulus	1671 Mpa	D638
Flexural Modulus	2130 Mpa	D790
Impact Strength, Notched Izod @ 23°C	29.9 J/m	D256
<b>Thermal</b>		
Vicat Softening Temperature	75.4°C	D1525
Tg	78°C	DSC
Tm	250°C	DSC
<b>Optical</b>		
Haze	5.8%	D1003
Color L*	92.3	D2244
Color a*	0.1	D2244
Color b*	1.0	D2244

\*Determined by conversion of solution viscosity to intrinsic viscosity using an empirical correlation developed by Auriga Polymers Inc. equivalent to ASTM method D-4603.

**Product Data Sheet  
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