

# PIER ONE POLYMERS INCORPORATED

*Thermoplastic Solutions*

## Typical Property Data

### PC/ABS CY1200 NC Polycarbonate/ABS Blend Natural

Property	Test Method	Units	Value	
			DAM	
<b>General</b> ASH (Filler)	ASTM D4218	%	0	
<b>Physical</b> Melt Flow	ISO 1133	<b>CONDITION</b> 260 °C / 3.7 KG	<b>Requirement</b> 5 (min.) to 17.5 (max.)	<b>Typical</b> 10
<b>Mechanical</b> Tensile Strength Elongation @ Yield Flexural Modulus Izod Impact @ -29+/-2C Izod Impact @ 23+/-2C	ISO R527 ISO R527 ISO 178 ISO 180 ISO 180	Mpa % Gpa KJ/m2 KJ/m2	<b>Min Requirement</b> 48 3.9 2.1 25 43.1	<b>Typical</b> 54 4.5 2.2 45 70
<b>Thermal</b> HDT @ 1.8 Mpa HDT @ .45 Mpa Vicat Softening Temp	ISO 75 ISO 75 ISO 306	°C °C °C	<b>Min Requirement</b> 104 129 137	<b>Typical</b> 105 126 129
<b>Other</b> Specific Gravity	ASTM D 792	-	<b>Requirement</b> 1.11 to 1.15	<b>Typical</b> 1.14

**Test Conditions:**

\* Injection molded test bar (2 3/8" x 1/2" x 1/4"), notched

\* Condition L – 2160 grams @ 230 °C

Mechanical properties measured at 23°C (73°F)

Contact Pier One Polymers, Inc. for MSDS, general guidelines and/or additional information about ventilation, handling, purging, drying, etc.

The information above is compiled by the material manufacturer. Actual values should not be construed as a guarantee of analysis of any specific lot or as specification items. The properties of any single lot or shipment of product may vary from the above analysis. No warranty is given as to the suitability of the product for any particular application. The determination of suitability of the above product information for any particular use is solely the responsibility of the user.