



**INVISTA™**  
POLYPROPYLENE

# P4C6Z-059

## Homopolymer for Injection Molding

**Features:** Good dimensional stability. Produced without animal derived components or phthalates.

**Applications:** Labware and healthcare products

## Resin Properties

|                     | Typical Value (SI)     | Typical Value (English) | ASTM Test Method |
|---------------------|------------------------|-------------------------|------------------|
| Melt Flow Rate      | 35 g/10min             |                         | D1238            |
| Density             | 0.90 g/cm <sup>3</sup> |                         | D1505            |
| Melting Temperature | 160 -165 °C            | 320 – 329 °F            | D3418            |

## Mechanical Properties

|                                           | Typical Value (SI) | Typical Value (English) | ASTM Test Method |
|-------------------------------------------|--------------------|-------------------------|------------------|
| Tensile Yield Strength                    | 37 MPa             | 5400 psi                | D 638            |
| Tensile Yield Elongation                  | 8 %                | 8 %                     | D 638            |
| Flexural Modulus - Secant                 | 1311 MPa           | 190 kpsi                | D 790            |
| Deflection Temperature @66psi (0.455 MPa) | 105 °C             | 221 °F                  | D 648            |
| Rockwell Hardness                         |                    | 110 R                   | D 785            |
| Notched Izod @ 23°C                       | 20 J/m             | 0.4 ft-lb/in            | D 256            |
| Gardner Impact @ 23°C                     | 6 J                | 53 in-lb                | D 5420           |

## Regulatory

FDA – 21 CFR 177.1520(c) I.I.a

UL Certified 94HB

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