



# P4C5K-123A

## Homopolymer for Injection Molding

**Features:** Clarified and antistatic agent. Produced without animal derived components or phthalates.

**Applications:** Clear packaging and housewares

## Resin Properties

|                     | Typical Value (SI)     | Typical Value (English) | ASTM Test Method |
|---------------------|------------------------|-------------------------|------------------|
| Melt Flow Rate      | 20 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                    | 41 MPa             | 5900 psi                | D 638            |
| Tensile Yield Elongation                  | 8 %                | 8 %                     | D 638            |
| Flexural Modulus - Secant                 | 1680 MPa           | 243 kpsi                | D 790            |
| Deflection Temperature @66psi (0.455 MPa) | 115 °C             | 239 °F                  | D 648            |
| Rockwell Hardness                         |                    | 110 R                   | D 785            |
| Notched Izod @ 23°C                       | 30 J/m             | 0.5 ft-lb/in            | D 256            |
| Gardner Impact @ 23°C                     | 3 J                | 27 in-lb                | D 5420           |
| Haze @ 25mil                              | 7.7 %              | 7.7 %                   | D 1003           |

## Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

Drug Master File listed

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