



P4G3Z-050

Homopolymer for Extrusion

Features: Low water carry-over. Produced without animal derived components or phthalates

Applications: Slit tape and fibers

Resin Properties

| | Typical Value (SI) | Typical Value (English) | ASTM Test Method |
|---------------------|------------------------|-------------------------|------------------|
| Melt Flow Rate | 3.5 g/10min | | D1238 |
| Density | 0.90 g/cm ³ | | D1505 |
| Melting Temperature | 160 -165 °C | 320 – 329 °F | D3418 |

Mechanical Properties

| | Typical Value (SI) | Typical Value (English) | ASTM Test Method |
|---|--------------------|-------------------------|------------------|
| Tensile Yield Strength | 39 MPa | 5600 psi | D 638 |
| Tensile Yield Elongation | 9 % | 9 % | D 638 |
| Flexural Modulus - Secant | 1590 MPa | 230 kpsi | D 790 |
| Deflection Temperature @66psi (0.455 MPa) | 101 °C | 214 °F | D 648 |
| Rockwell Hardness | | 100 R | D 785 |
| Notched Izod @ 23°C | 40 J/m | 0.7 ft-lb/in | D 256 |
| Gardner Impact @ 23°C | 17 J | 150 in-lb | D 5420 |

Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

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