

AP6106-HA

Impact Copolymer for Injection Molding

Features: Contains antistatic agent. Good impact/stiffness balance. Produced without animal derived components.

Applications: Caps and closures, consumer products

Resin Properties

| | Typical Value (SI) | Typical Value (English) | ASTM Test Method |
|---------------------|------------------------|-------------------------|------------------|
| Melt Flow Rate | 6 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 | 26 MPa | 3750 psi | D 638 |
| Tensile Yield Elongation | 6 % | 6 % | D 638 |
| Flexural Modulus - Tangent | 1240 MPa | 180 kpsi | D 790 |
| Flexural Modulus - Secant | 1172 MPa | 170 kpsi | D 790 |
| Deflection Temperature @66psi (0.455 MPa) | 94 °C | 201 °F | D 648 |
| Rockwell Hardness | | 100 R | D 785 |
| Notched Izod @ 23°C | 128 J/m | 2.4 ft-lb/in | D 256 |
| Gardner Impact @ -30°C | 23 J | 200 in-lb | D 5420 |

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

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