

43S2A

Random Copolymer for Extrusion and Blow Molding

Features: Produced without animal derived components

Applications: Cast film and bottles

Resin Properties

| | Typical Value (SI) | Typical Value (English) | ASTM Test Method |
|---------------------|------------------------|-------------------------|------------------|
| Melt Flow Rate | 2.0 g/10min | | D1238 |
| Density | 0.90 g/cm ³ | | D1505 |
| Melting Temperature | 145 -152 °C | 293 – 306 °F | D3418 |

Mechanical Properties

| | Typical Value (SI) | Typical Value (English) | ASTM Test Method |
|---|--------------------|-------------------------|------------------|
| Tensile Yield Strength | 27 MPa | 3900 psi | D 638 |
| Tensile Yield Elongation | 11 % | 11 % | D 638 |
| Flexural Modulus - Tangent | 944 MPa | 137 kpsi | D 790 |
| Flexural Modulus - Secant | 890 MPa | 129 kpsi | D 790 |
| Deflection Temperature @66psi (0.455 MPa) | 74 °C | 165 °F | D 648 |
| Rockwell Hardness | | 76 R | D 785 |
| Notched Izod @ 23°C | 74 J/m | 1.4 ft-lb/in | D 256 |
| Gardner Impact @ 23°C | >36 J | >320 in-lb | D 5420 |

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

118 Huntsman Way, Longview, TX 75602 – (903) 239-5332

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