

Paxon™ AD60-007

High Density Polyethylene Resin

Product Description

AD60-007 is a medium molecular weight distribution high density polyethylene homopolymer. It possesses excellent processing uniformity and produces bottles with excellent appearance and rigidity. AD60-007 offers the maximum in barrier properties available in high density polyethylene, and imparts minimum odor and taste to the packaged product.

General

| | | |
|--------------|---------------------------|--------------------------------------------------------------------------|
| Additive | ▪ Thermal Stabilizer: Yes | ▪ Antistatic: No |
| Applications | ▪ Food Packaging | ▪ Liquid Food Containers for Milk, ▪ Thermoformed Parts Water and Juices |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|---------------|
| Density | 0.963 g/cm ³ | 0.963 g/cm ³ | ASTM D4883 |
| Melt Index (190°C/2.16 kg) | 0.73 g/10 min | 0.73 g/10 min | ASTM D1238 |

| Thermal | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------|-------------------------|--------------------|---------------|
| Brittleness Temperature | < -105 °F | < -76 °C | ASTM D746 |
| Vicat Softening Temperature | 261 °F | 127 °C | ASTM D1525 |

| Molded Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|------------------------------------------------------|-------------------------|--------------------|---------------|
| Tensile Strength at Yield | 4600 psi | 32 MPa | ASTM D638 |
| Flexural Modulus | 250000 psi | 1700 MPa | ASTM D790 |
| Environmental Stress-Crack Resistance 100% Igepal | 10 hr | 10 hr | ASTM D1693 |

| Impact | Typical Value (English) | Typical Value (SI) | Test Based On |
|-------------------------|--------------------------|-----------------------|---------------|
| Tensile Impact Strength | 60 ft-lb/in ² | 130 kJ/m ² | ASTM D1822 |

