

Paxon™ AA45-004

High Density Polyethylene Resin

Product Description

AA45-004 is a blow molding high density polyethylene copolymer offering exceptional stress cracking resistance and impact performance.

General

| | | |
|---------------------------|--|---|
| Availability ¹ | Latin America | North America |
| Additive | Thermal Stabilizer: Yes | Antistatic: No |
| Applications | Agriculture Products Containers Food Packaging | Household and Industrial chemical containers Pharmaceutical Packaging |
| Revision Date | 03/01/2010 | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|----------------------------|-------------------------|-------------------------|---------------|
| Density | 0.945 g/cm ³ | 0.945 g/cm ³ | ASTM D4883 |
| Melt Index (190°C/2.16 kg) | 0.35 g/10 min | 0.35 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 | 250 °F | 121 °C | ASTM D1525 |

| Molded Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|--|-------------------------|--------------------|---------------|
| Tensile Strength at Yield | 3500 psi | 24 MPa | ASTM D638 |
| Flexural Modulus | 150000 psi | 1000 MPa | ASTM D790 |
| Environmental Stress-Crack Resistance 100% Igepal | > 1000 hr | > 1000 hr | ASTM D1693 |

| Impact | Typical Value (English) | Typical Value (SI) | Test Based On |
|-------------------------|---------------------------|-----------------------|---------------|
| Tensile Impact Strength | 110 ft-lb/in ² | 230 kJ/m ² | ASTM D1822 |

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

1. Values are typical and should not be interpreted as specifications. Values may change with future development. 2. All molded properties were measured on compression molded plaques. 3. Flexural modulus tested using Procedure A (1"x3"x0.125"), Tangent calculation. 4. ESCR tested using Condition B, 100% Igepal. 5. AA45-004 has NSF and UL recognition. Contact your ExxonMobil Chemical representative for details.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

