

# 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 <sup>1</sup>	<ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Europe</li> </ul>	<ul style="list-style-type: none"> <li>Latin America</li> <li>North America</li> </ul>
Additive	<ul style="list-style-type: none"> <li>Thermal Stabilizer: Yes</li> </ul>	<ul style="list-style-type: none"> <li>Antistatic: No</li> </ul>
Applications	<ul style="list-style-type: none"> <li>Agriculture Products Containers</li> <li>Food Packaging</li> </ul>	<ul style="list-style-type: none"> <li>Household and Industrial chemical containers</li> <li>Pharmaceutical Packaging</li> </ul>
Revision Date	<ul style="list-style-type: none"> <li>03/01/2010</li> </ul>	

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.945 g/cm <sup>3</sup>	0.945 g/cm <sup>3</sup>	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 <sup>2</sup>	230 kJ/m <sup>2</sup>	ASTM D1822

### Additional Information

AA45-004 is NSF® -51 Certified and UL recognized.

### 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.

### Notes

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

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

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For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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