

# Paxon™ AD60-005

## High Density Polyethylene Resin

### Product Description

AD60-005 is a medium molecular weight distribution high-density polyethylene homopolymer. It possesses excellent processing uniformity and produces bottles with excellent appearance and rigidity. AD60-005 offers the maximum in barrier properties available in high-density polyethylene, and imparts very low odor and taste to the packaged product.

### General

Availability <sup>1</sup>	<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>
Applications	<ul style="list-style-type: none"> <li>Food Packaging</li> <li>Liquid Food Containers for Milk, Water and Juices</li> <li>Thermoformed Parts</li> <li>Thin Gauge Sheet</li> </ul>
Revision Date	<ul style="list-style-type: none"> <li>05/21/2015</li> </ul>

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.963 g/cm <sup>3</sup>	0.963 g/cm <sup>3</sup>	ASTM D4883
Melt Index (190°C/2.16 kg)	0.47 g/10 min	0.47 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	210000 psi	1500 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	65 ft-lb/in <sup>2</sup>	140 kJ/m <sup>2</sup>	ASTM D1822

### Additional Information

AD60-005 is NSF® -51 Certified.

### 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. 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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