AgRES Reclaimed Ag Container Resin

from this...

to this...

ACRC
Ag Container Recycling Council

www.acrecycle.org

Product Specifications...

Celebrating over 28 Years of Product Stewardship!
Reclaimed agricultural container resin collected by independent contractors of the Ag Container Recycling Council (ACRC) program is a mixture of ag chemical container high-density polyethylene resins (AgRES). The resins have excellent stress crack resistance, high impact strength, high melt strength and good rigidity. The resins are initially used for blow mold extruded or injection molded agricultural chemical containers.

The AgRES may be sold by ACRC contractors in the following three product types and grades:

**Product Types:**

1. IIDPE, Fractional Melt (jug / bottle regrind)
2. HDPE, High Molecular Weight, HMW (drum regrind)
3. HDPE, Injection Grade (bucket regrind)

**Potential Grades:**

A. Triple rinsed, ground and unwashed
B. Triple rinsed, ground and washed
C. Triple rinsed, ground, washed and pelletized

**HDPE, Fractional Melt (jug / bottle regrind)**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Typical Value / Range (*)</th>
<th>Conditions</th>
<th>ASTM Test #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (g/cm³)</td>
<td>0.945 - 0.952</td>
<td></td>
<td>D792</td>
</tr>
<tr>
<td>Melt Index (MI) (g/10 min)</td>
<td>0.29 - 0.40</td>
<td>190°C, 2.16 Kg</td>
<td>D1238</td>
</tr>
<tr>
<td>ESCR</td>
<td>Made from high ESCR resins</td>
<td></td>
<td>D1693</td>
</tr>
</tbody>
</table>
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A. Triple rinsed, ground and unwashed
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C. Triple rinsed, ground, washed and pelletized

**HDPE, High Molecular Weight, HMW (drum regrind)**

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<tr>
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<th>ASTM Test #</th>
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</thead>
<tbody>
<tr>
<td>Density (g/cm³)</td>
<td>0.942 - 0.960</td>
<td></td>
<td>D792</td>
</tr>
<tr>
<td>Melt Index (HI.MI) (g/10 min)</td>
<td>4.5 - 7.5</td>
<td>190°C, 21.6 Kg</td>
<td>D1238</td>
</tr>
<tr>
<td>ESCR</td>
<td>Made from high ESCR resins</td>
<td></td>
<td>D1693</td>
</tr>
</tbody>
</table>
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3. HDPE, Injection Grade (bucket regrind)

**Potential Grades:**

A. Triple rinsed, ground and unwashed
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**HDPE, Injection Grade (bucket regrind)**

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<tr>
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<th>ASTM Test #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density (g/cm³)</td>
<td>0.95 - 0.955</td>
<td>190°C, 2.16 Kg</td>
<td>D792</td>
</tr>
<tr>
<td>Melt Index (g/10 min)</td>
<td>4.5 - 6.6</td>
<td></td>
<td>D1238</td>
</tr>
</tbody>
</table>

DISCLAIMER - ACRC does not warrant that the information on this specification sheet represents the composition of all plastic that is collected and sold by the ACRC contractors. ACRC contractors, not ACRC, own and sell the plastic. Any transaction for the sale of the plastic is between the ACRC contractor who owns the plastic and the purchaser. ACRC's mission is to fund and support the collection of properly triple-rinsed ag containers, undertake research into the possible uses of the plastic, set guidelines for possible end-uses of the plastic and ensure that the facilities and procedures of those companies that purchase and use the plastic will prevent the plastic from being used in products that are unsuitable for the plastic.