Gravi-Tech™ REC recycled formulations are density modified engineered polymers based on recycled resin and/or recycled filler from post-industrial recycled (PIR) and/or post-consumer recycled (PCR) sources. They offer a more sustainable alternative to density modified grades that are based on prime/virgin polymers.

These polymer formulations have been developed to achieve equivalent performance to prime density modified solutions with added sustainability benefits. They help to reduce product carbon footprint compared to fossil feedstock alternatives, reduce waste, and support the circular economy.

They allow complex designs without expensive tooling and customizable performance characteristics (density, corrosion and chemical resistance, mechanical performance), depending on application need.

Gravi-Tech REC recycled grades enable visual surface effects and aesthetics including metallic finish, cool touch and color variation, suitable for applications in packaging and consumer goods such as cosmetic caps and closures, perfume caps, spirit bottle caps and luxury boxes.

**KEY CHARACTERISTICS**

- Customized density offering a wide range of specific gravities (1.5–11 gm/cm³)
- Based on recycled resin from PIR and PCR sources
- Broad modulus range, from very flexible to very rigid grades
- Corrosion resistance that withstands oxidization for long-term use and benefit
- Chemical resistance can be adapted depending on base resin as required
- Provides visual surface effects, aesthetics, and cool touch
- Design flexibility and processing ease

**MARKETS AND APPLICATIONS**

Applications in packaging and consumer goods in which a more sustainable solution is preferred:

- Cosmetic caps and closures
- Perfume caps
- Spirit bottle caps
- Luxury boxes
- Handles and knobs

**SUSTAINABILITY BENEFITS**

- Formulated with recycled resin from post-industrial recycled (PIR) and/or post-consumer recycled (PCR) sources
- Reduces waste and supports the circular economy
- Reduces carbon footprint compared to fossil feedstock alternatives
- Simplifies manufacturing and lowers costs versus metal
### AVAILABLE GRADES

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<td>&gt;95% PIR+PCR/Mineral</td>
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<th>CHARACTERISTICS</th>
<th>UNITS</th>
<th>Gravi-Tech REC GT7300-5034 X2 FD Natural</th>
<th>Gravi-Tech REC GT7300-5036 Black</th>
<th>Gravi-Tech REC GT7300-5025 Black</th>
<th>Gravi-Tech REC GT6000-5032 Black</th>
<th>Gravi-Tech GT6000-5031 Black</th>
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<tr>
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**Available Grades**

**Characteristics**
- **Base Resin**
- **Recycled Content/Filler**
- **Density (ISO 1183)**

**Units**
- **rPP**
- **ABS**
- **rABS**
- **rPA6**

**Density (ISO 1183)**
- **g/ccm**

**Specifications**
- **Gravi-Tech GT5200-5075 Black X2**
- **Gravi-Tech REC GT5200-5078 Black**
- **Gravi-Tech REC GT5200-5079 Black**
- **Gravi-Tech REC GT5200-5060 Black**
- **Gravi-Tech GT5200-5057 Black**
- **Gravi-Tech REC GT7300-5034 X2 FD Natural**
- **Gravi-Tech REC GT7300-5036 Black**
- **Gravi-Tech REC GT7300-5025 Black**
- **Gravi-Tech REC GT6000-5032 Black**
- **Gravi-Tech GT6000-5031 Black**