

**PROVISIONAL TECHNICAL DATA SHEET****PureFive Choice™ HPP35-50****Product Description**

HPP35-50 is a 50% PCT compounded homopolymer polypropylene, excluding additive content, available in pellet form. This resin can supplement or replace equivalent PP with a more sustainable solution.

PureCycle's purification process is designed to purify streams of recyclable polypropylene to remove odor, color and other impurities resulting in a material that can be reused multiple times to advance the circular economy.

**Typical Characteristics<sup>1</sup>**

|  | <b>ASTM<br/>Method</b> | <b>Properties<br/>(Mean)</b> | <b>Units</b>      | <b>Range</b> |
|--|------------------------|------------------------------|-------------------|--------------|
| <b>Physical Properties</b>               |                        |                              |                   |              |
| Melt Flow Rate, 230 °C                   | D1238                  | 35                           | g/10 min          | 30 -40       |
| Density                                  | D792                   | 0.9                          | g/cm <sup>3</sup> | 0.9 – 0.92   |
| <b>Mechanical Properties<sup>1</sup></b> |                        |                              |                   |              |
| Tensile Yield Stress                     | D638                   | 32                           | MPa               | 27 – 41      |
|  |                        | 4700                         | psi               | 3900 – 5900  |
| Flexural Modulus, 1% secant              | D790                   | 1.2                          | MPa               | 1.2 – 1.8    |
|  |                        | 170                          | ksi               | 180 – 270    |
| Notched Izod Impact @ 23 °C              | D256                   | 0.5                          | ft-lbs/in         | 0.5 – 0.72   |
|  |                        | 35                           | J/m               | 36 - 54      |

1. All values are provisional and based on limited testing.