PURECYCLE™

## PROVISIONAL TECHNICAL DATA SHEET

# HPP45-100FN

## Product Description

PureFive Choice™ HPP45-100FN is a nucleated polypropylene homopolymer containing 100% post-consumer content (exclusive of additives).

PureCycle uses a patented physical recycling process which includes selective polymer dissolution to produce high-quality recycled polypropylene.

## Typical Properties

| | Nominal | Units | ASTM Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate (230 °C/2.16 kg) | 45 | g/10 min | D1238 |
| Density | 0.90 | g/cm$^3$ | D792 |
| **Mechanical** | | | |
| Flexural Modulus, 1% secant | 240,000 | psi | D790 A |
| Notched Izod Impact (23 °C) | 0.8 | ft·lbf/in | D256 |

*Nominal values are typical properties and are not to be construed as specification limits.*

## Regulatory

This material complies with the requirements of FDA 21 CFR §177.1520 for use in food contact applications with all food types under FDA Conditions of Use A through H, as defined in 21 CFR §176.170(c).

This material is registered with the European Chemicals Agency (ECHA) under the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation (EC) No 1907/2006, Article 20(2).

This product was made using PureCycle HPP15-100, GreenCircle Certified® post-consumer polypropylene.

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The provisional data above is provided in good faith and is correct to the best of our current knowledge based on limited lab testing of developmental samples under controlled conditions to provide general information and not to be construed as specification limits. PureCycle assumes no obligation, express or implied, or liability for use of or reliance on the information and data presented and disclaims all product warranties, express or implied, including warranties of fitness for a particular purpose or of merchantability. Each customer must inspect and test our products to determine suitability for a particular purpose. In no case shall descriptions, information, or data provided be considered part of terms and conditions of sale. © 2026 PureCycle Technologies, Inc. All rights reserved. Rev (10) 261020