

# PET 0.84 IV CB

Copolymer PET



## Overview

PET IV 84 is designed and engineered to provide high dimensional strength and mechanical properties. The low crystallinity and heat of fusion of the resin, provides unique advantages of low residual acetaldehyde generation in injection molding and also lower energy for conversion into bottles. The spherical pellets of the resin ensures smooth conveying in long pipelines with near zero fines generation. The uniform spherical surface allows for easy flow of air around the PET pellets and helps in consistent drying at lower temperatures, saving valuable energy.

Features:

- Good process ability
- Excellent clarity/gloss
- Very good mechanicals

## Applications

- Carbonated beverage bottles

| Property                | Value       | Unit    | ASTM          |
|-------------------------|-------------|---------|---------------|
| Intrinsic Viscosity     | 0.84 ± 0.02 | dl/g    | QAF-PCL-3.414 |
| Acetaldehyde            | 1.0 Max     | ppm     | QAF-PCL-3.413 |
| Color L                 | 82 Max      |         | QAF-PCL-3.211 |
| Color b                 | 0.5 Max     |         | QAF-PCL-3.211 |
| Weight of 100 pcs chips | 1.6 ± 0.2   | g/100ea | QAF-PCL-3.408 |
| Fine Particles          | 100         | ppm     | QAF-PCL-3.407 |
| Melting Point           | 247 ± 2     | °C      |               |

| Property                       | Value   | Unit | ASTM |
|--------------------------------|---------|------|------|
| Moisture Content (when packed) | 0.1 max | wt%  |      |

PET IV 84 CB resin is considered safe for food-packaging applications based on compliance with US FDA regulation 21 CFR Section 177.1630 & other similar food contact safety regulations.