

PET 0.84 IV FR

Copolymer PET



Overview

PET IV 0.84 Fast Reheat 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 ensure 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 processability
- Good mechanical properties

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	76 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 max	ppm	QAF-PCL-3.407
Melting Point	247 ± 2	°C	

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

PET MarPol IV 80 WB 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.